AASP African American Studies Spring 2012

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jason Nichols MWF 10:00am - 10:50am	Seats (Total: 35) KEY 0126
0102	Jason Nichols MWF 12:00pm - 12:50pm	Seats (Total: 35) LEF 1201
0103	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0110
0104	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) ARM 0105
0105	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 35) LEF 1220
0106	Jason Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMP 2202

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies. Restricted to HONR students only.

0101	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 5) SQH 1107

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Jonathan England TuTh 3:00pm - 4:15pm	Seats (Total: 39) MMH 0108

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo W 4:00pm - 6:30pm	Seats (Total: 35) LEF 1201

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Dennis Doster MW 10:00am - 11:15am	Seats (Total: 35) LEF 2208
0201	Dennis Doster MW 1:00pm - 2:15pm	Seats (Total: 35) ARM 0119
0301	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 30) MMH 0108
0401	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1105

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) MMH 0108

AASP297 **Research Methods in African American Studies**

AASP297 *(PermReq)* **Research Methods in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For AASP majors only. Not open to students who have completed AASP299R. Credit will be granted for only one of the following: AASP297 or AASP299R. Formerly AASP299R. Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Joseph Richardson TuTh 12:30pm - 1:45pm	Seats (Total: 20) TYD 2102

AASP298B **Special Topics in African American Studies; Constructions of Manhood and Womanhood in the Black Community**

AASP298B Special Topics in African American Studies: Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST265.

0101	Sharon Harley Tu 2:00pm - 4:30pm	Seats (Total: 35) LEF 1201

AASP298F **Special Topics in African American Studies; Caribbean Film and Literature**
Contact department for information to register for this course.

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL234.

0101	Douglas Kern MWF 10:00am - 10:50am	Seats (Total: 35) KEY 0125
0201	Douglas Kern MWF 11:00am - 11:50am	Seats (Total: 35) KEY 0126

0301	Isis Semaj-Hall TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 2117
0401	Christin Taylor TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1107
0501	Anna Steed MWF 12:00pm - 12:50pm	Seats (Total: 35) ARC 1105

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP298Z **Special Topics in African American Studies; Jazz as a Cultural Art Form**

AASP298Z Special Topics in African American Studies: Jazz as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: AASP298U.

0101	Ronald Zeigler M 2:00pm - 4:30pm	Seats (Total: 43) NCC 0130

AASP303 **Computer Applications in African American Studies**

AASP303 Computer Applications in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100 or SOCY201 or MATH111 or equivalent. Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

0101	Brian Ward MW 6:00pm - 7:15pm	Seats (Total: 20) LEF 0214

AASP305 **Theoretical, Methodological and Policy Research Issues in African American Studies**

AASP305 Theoretical, Methodological and Policy Research Issues in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: AASP301 and (STAT100 or BMGT230 or PSYC200 or SOCY201 or ECON321 or equivalent course with permission of department). Formerly AASP401. Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

0101	Odis Johnson	Seats (Total: 18)
	Th 4:00pm - 6:30pm	LEF 1222

AASP310 **African Slave Trade**

AASP310 African Slave Trade; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202 or permission of department. Formerly AASP311. The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	Ibrahim Kargbo	Seats (Total: 35)
	W 1:00pm - 3:30pm	MMH 3418

AASP314 **The Civil Rights Movement**

AASP314 The Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or HIST157. Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.

0101	Melinda Chateauvert	Seats (Total: 31)
	TuTh 2:00pm - 3:15pm	TLF 1101

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Sangeetha Madhavan W 9:30am - 12:00pm	Seats (Total: 10) LEF 2196S

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398D **Selected Topics in the African Diaspora; Issues in African Development**

AASP398D Selected Topics in the African Diaspora: Issues in African Development; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398D.

0101	Sangeetha Madhavan W 3:00pm - 5:30pm	Seats (Total: 35) SQH 1119

AASP398G **Selected Topics in the African Diaspora; Gender, Labor, and Racial Identify in Diaspora Communities**

AASP398G Selected Topics in the African Diaspora: Gender, Labor, and Racial Identify in Diaspora Communities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sharon Harley W 2:00pm - 4:30pm	Seats (Total: 25) LEF 0135

AASP398Q **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

AASP398Q Selected Topics in the African Diaspora: Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama; (3 credits) Grade Method: REG.

0101	Robert Choflet Th 3:00pm - 5:30pm	Seats (Total: 35) SKN 0104

AASP402 **Classic Readings in African American Studies**

AASP402 Classic Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

0101	David Terry Tu 4:00pm - 6:30pm	Seats (Total: 23) PLS 1146

AASP411 **Black Resistance Movements**
Contact department for information to register for this course.

AASP441 **Science, Technology, and the Black Community**

AASP441 Science, Technology, and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

0101	Jerry Semper	Seats (Total: 35)	
	W 4:00pm - 6:30pm	TYD 1108	

AASP443 **Blacks and the Law**

AASP443 Blacks and the Law; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

0101	Joseph Clark	Seats (Total: 35)	
	W 6:00pm - 8:30pm	LEF 1220	

AASP478L **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**
Contact department for information to register for this course.

AASP498C **Special Topics in Black Culture; Literature and Film of the Civil Rights Movement**

AASP498C Special Topics in Black Culture: Literature and Film of the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328Z and ENGL379C.

0101	Mary Washington	Seats (Total: 35)	
	Tu 3:30pm - 6:00pm	TWS 0234	
	Tu 6:00pm - 7:00pm	TWS 0234	Lab

AASP498D **Special Topics in Black Culture; Caribbean Women**

AASP498D Special Topics in Black Culture: Caribbean Women; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST360.

0101	Augusta Bolles	Seats (Total: 35)	
	MW 2:00pm - 3:15pm	SYM 0215	

AASP498F **Special Topics in Black Culture; Women in Caribbean**

Contact department for information to register for this course.

AASP498M **Special Topics in Black Culture; Black Masculinities**

AASP498M Special Topics in Black Culture: Black Masculinities; (3 credits)
Grade Method: REG.
Also offered as AMST498D.

0101	Jeffrey McCune Jr.	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMP 3216

AASP498W **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

AASP498W Special Topics in Black Culture: Washington and Prince George's History, Culture, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 35)
	M 5:00pm - 7:30pm	LEF 1201

AASP498Y **Special Topics in Black Culture; Sex Work**

AASP498Y Special Topics in Black Culture: Sex Work; (3 credits) Grade Method: REG/P-F/AUD.

0101	Melinda Chateauvert	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	TLF 1101

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 35)
	Tu 4:00pm - 6:30pm	SQH 1121

AAST Asian American Studies Spring 2012

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C.

0101	Julie Park TuTh 9:30am - 10:45am	Seats (Total: 40) ASY 3203	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST221. Credit will be granted for only one of the following: AAST201, HIST219G, HIST219M, or HIST221. Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era. Also offered as HIST219M.

0101	Lisa Mar MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 SKN 1112	 Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) PLS 1140 WDS 1130	 Discussion
0103	Lisa Mar MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 WDS 1130	 Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 TLF 1103	 Discussion

AAST222 **Immigration and Ethnicity in America**

AAST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Recommended: AAST201. Also offered as HIST222. Credit will be granted for only one of the following: AAST222, AAST298A, HIST219L or HIST222. Formerly AAST298A. The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture. Also offered as HIST222.

0101	Lisa Mar MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 WDS 1127	 Discussion
0102	Lisa Mar MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 0104	 Discussion
0103	Lisa Mar MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 WDS 1127	 Discussion
0104	Lisa Mar MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 1131	 Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL233. Not open to students who have completed ENGL233, AAST298L. Credit will be granted for only one of the following: ENGL233, AAST233, or AAST298L. Formerly AAST298L. A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis W 5:00pm - 7:30pm	Seats (Total: 30) KEY 0103	

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Gaines	Seats (Total: 5)
	Contact instructor or department for details.	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ying Wang	Seats (Total: 5)
	Contact instructor or department for details.	

AAST398B **Contemporary Asian American Literature of the 21st Century**

AAST398B Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL349B.

0101	David Kim	Seats (Total: 25)
	Th 5:00pm - 7:30pm	JMZ 2123

AAST398L **Asian Americans in Film**

AAST398L Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Christian Oh, Larry Shinagawa	Seats (Total: 25)
	W 5:00pm - 7:30pm	ASY 3219

AAST398P **Asian Americans in Washington, D.C.**
Contact department for information to register for this course.

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Six credits in sociology or permission of department. Also offered as SOCY424. Not open to students who have completed SOCY424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0201	Kris Marsh	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3207

AAST498E **Advanced Topics in Asian American Studies; Asian American Sexualities**

AAST498E Advanced Topics in Asian American Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Asian American Sexualities will challenge students to unpack their definitions of beauty, sexuality, marriage, and selfthen repack them in a suitcase already filled with checkered histories, cultures and politics. Will it all fit? And let's not forget Pacific Islanders. On the journey, we will meet activists, community organizers, and entertainers. We will traverse many disciplines (from sociology to psychology, literature to linguistics). We will cross the intersection of race, sex and power often. The vehicles for learning will be reading, writing, research and nonjudgmental inquiry. The destination: political empowerment, civil rights, and health. Also offered as LGBT44 8E.

0101	Gemirald Daus	Seats (Total: 30)
	Tu 5:00pm - 7:30pm	JMZ 2206

AAST498G **Asian American Women and Gender**

AAST498G Asian American Women and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
This discussion seminar examines the intersection of gender, sexuality, and race in the lives of Asian American men and women from the late nineteenth century to the present. Topics surveyed include migration and diaspora, empire and nationalism, family and community, Asian American masculinity and feminism, and gay and lesbian experiences. Weekly discussions and biweekly essay assignments will emphasize how encounters between diverse racial groups, in both domestic and international settings, structured gender relations as well as the role of the federal government and the media in defining those relations. Course readings will draw on a variety of disciplines with a special attention to how race and sexual orientation become interwoven aspects of Asian American experience and identity formation. Also offered as WMST498I.

0101	Shuji Otsuka	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	ASY 3219

AAST498M **Advanced Topics in Asian American Studies; Asian American Public Policy**

AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
For students with Junior and Senior status only. Also offered as AMST418N.

0101	Philip Nash	Seats (Total: 30)
	M 4:00pm - 6:30pm	SQH 1107

AAST498V **Advanced Topics in Asian American Studies; Asian Religions in American Culture**

AAST498V Advanced Topics in Asian American Studies: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418L and RELS419L.

0101	John Caughey	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HZF 0101

AAST498X **Advanced Topics in Asian American Studies; Asian American Poetry and Spoken Word**

AAST498X Advanced Topics in Asian American Studies: Asian American Poetry and Spoken Word; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lawrence-Minh Davis	Seats (Total: 25)
	Th 5:00pm - 7:30pm	ASY 3215

AAST498Z **Advanced Topics in Asian American Studies; Asian Americans and World War II**

AAST498Z Advanced Topics in Asian American Studies: Asian Americans and World War II; (3 credits) Grade Method: REG/P-F/AUD.
Using primary sources and secondary scholarship, this course examines the transnational experience of Asian Americans during one of the defining moments in modern world history: the Asia-Pacific War of 1931-45. Japanese colonial aggression clashed with longstanding U.S. military involvement in the Asia-Pacific region, creating optimal if unequal conditions for women and men of various races, ethnicities, classes, nationalities, and sexual orientations to interact with each other in unprecedented ways. Asian and Pacific Islander Americans crisscrossed the Pacific as U.S. military intelligence officers, soldiers, crewmembers, translators, and pilots; on the domestic front, they worked in wartime industries that had previously excluded them from meaningful employment. Changes in U.S. laws following the 1943 repeal of the Chinese Exclusion Act (1882) further altered the economic and political landscape of Chinese Americans, Filipino Americans, Asian Indians, and Korean Americans while the U.S. government removed, excluded, and detained over 110,000 Japanese nationals, Japanese Americans, and Latin Americans of Japanese descent. Students will learn how to situate these historical developments in the broader context of U.S. foreign and domestic policy, international labor migration and diaspora, war and reparations, and the U.S. sovereignty of the Pacific Islands.

0101	Shuji Otsuka	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EDU 3233

AGNR Agriculture and Natural Resources Spring 2012

AGNR300 **Introduction to Sustainability**

AGNR300 Introduction to Sustainability; (3 credits) Grade Method: REG/P-F/AUD. *Also offered as PUAF300. Credit will be granted for only one of the following: AGNR300 or PUAF300.* Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Bruce James	Seats (Total: 140)
	TuTh 12:30pm - 1:45pm	EGR 1202

AGNR323 **Developing Youth Programs**

AGNR323 Developing Youth Programs; (3 credits) Grade Method: REG/P-F/AUD. *Formerly AGRI323.* Concepts involved in planning and executing nonformal educational programs developed to meet the needs of youth. Emphasize the identification of opportunities, needs, and problems of youth in all socioeconomic levels; and analysis of methods of working with youth groups and developing volunteer staff.

0101	Jeff Howard	Seats (Total: 24)
	TuTh 2:00pm - 3:15pm	SYM 0209

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 20)
	Contact instructor or department for details.	

AGNR422 **International Agriculture Science and Culture**

AGNR422 *(PermReq)* **International Agriculture Science and Culture; (6 credits)** Grade Method: REG.
Prerequisite: Permission of department. Immersion-based, intensive course of study in a foreign agricultural education setting. UM Students will study with local students in a variety of University classes and field experiences in agriculture, natural resources and environmental sciences, laboratory science, economics, education technology, etc. Students will learn customs, culture and language of the host country.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

AGNR489 **Field Experience; Travel Study Seminar**

AGNR489 *(PermReq)* **Field Experience: Travel Study Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Leon Slaughter	Seats (Total: 2)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Spring 2012

AMSC420 **Mathematical Modeling**

AMSC420 Mathematical Modeling; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: MATH241, MATH246, STAT400, MATH240 or MATH461; and permission of department. Also offered as MATH420. Credit will be granted for only one of the following: AMSC420, MAPL420, or MATH420. Formerly MAPL420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Brian Hunt	Seats (Total: 28)
	MWF 11:00am - 11:50am	MTH 1313

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami MWF 12:00pm - 12:50pm	Seats (Total: 28) EGR 1108
0201	Harland Glaz TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH B0421

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Tobias von Petersdorff MWF 9:00am - 9:50am	Seats (Total: 30) EGR 0108

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC498D **Selected Topics in Applied Mathematics; Deblurring Digital Images**

AMSC498D Selected Topics in Applied Mathematics: Deblurring Digital Images; (1 credit) Grade Method: REG/P-F/AUD.

0101	Dianne O'Leary F 11:00am - 11:50am	Seats (Total: 30) CSI 1122

AMSC612 **Numerical Methods in Partial Differential Equations**

AMSC612 Numerical Methods in Partial Differential Equations; (3 credits) Grade Method: REG/AUD.
Prerequisite: a graduate level one semester course in partial differential equations or a theoretical graduate level course in applied field such as fluid mechanics; or permission of instructor. Credit will be granted for only one of the following: AMSC 612 or MAPL 612. Formerly MAPL612. Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

0101	Eitan Tadmor TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSI 4122

AMSC661 **Scientific Computing II**

AMSC661 Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466 or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowlege of C or Fortran. Also offered as CMSC 661. Credit will be granted for only one of the following: AMSC 661, CMSC 661 or MAPL 661. Formerly MAPL661. Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0303

AMSC664 **Advanced Scientific Computing II**

AMSC664 Advanced Scientific Computing II; (3 credits) Grade Method: REG. *Prerequisite: AMSC 663 and permission of instructor. Also offered as CMSC 664. Credit will be granted for only one of the following: AMSC 664 or CMSC 664.* In the sequence AMSC 663, AMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Kayo Ide	Seats (Total: 25)
	TuTh 5:15pm - 6:30pm	CSI 4122

AMSC667 **Numerical Analysis II**

AMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 666. Also offered as CMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667. Formerly MAPL667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Maria Cameron	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 1308

AMSC671 **Ordinary Differential Equations II**

AMSC671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH630; and AMSC/MAPL/MATH670 or equivalent. Also offered as MATH671. Credit will be granted for only one of the following: AMSC671, MAPL671 or MATH671. Formerly MAPL671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems.

0101	Michael Jakobson	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 0401

AMSC674 **Partial Differential Equations II**

AMSC674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MAPL/MATH673 or permission of instructor. Also offered as MATH674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674. Formerly MAPL674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

0101	Matei Machedon	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0409

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

AMSC760 *(PermReq)* **Applied Statistics Practicum; (3 credits)** Grade Method: REG.
Prerequisite: At least one full year of graduate study in Applied Statistics, approval by SAC of project proposal. A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

AMSC762 *(PermReq)* **Data Analysis Project; (1 credit)** Grade Method: REG. This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Konstantina Trivisa	Seats (Total: 20)
	Contact instructor or department for details.	
	Prerequisites: Oral and written communications skills are critical for he applied statistician. Limited to MS non-thesis and doctoral students in the Applied Statistics Area, for whom the resulting Projects serve as a Qualifying Exam component.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Spring 2012

AMST101 **Introduction American Studies**

AMST101 Introduction American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: AMST101 or AMST201. Formerly AMST201. Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0101	Douglas Ishii MWF 9:00am - 9:50am	Seats (Total: 25) HZF 0106
0102	Jennie Chaplin MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0106
0201	Paul Saiedi TuTh 11:00am - 12:15pm	Seats (Total: 25) HZF 0106
0202	Stephanie Stevenson TuTh 2:00pm - 3:15pm	Seats (Total: 25) HZF 0106

AMST202 **Cultures of Everyday Life in America**

AMST202 Cultures of Everyday Life in America; (3 credits) Grade Method: REG/P-F/AUD.
Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

0101	Tiffany King TuTh 12:30pm - 1:45pm	Seats (Total: 25) TYD 0111

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Susan Pramschufer W 4:00pm - 6:40pm	Seats (Total: 30) HBK 0302H
	This section will meet the Hornbake Non-Print Media room.	

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

0101	Darius Bost MWF 11:00am - 11:50am	Seats (Total: 25) ASY 3221
0102	Darius Bost MWF 1:00pm - 1:50pm	Seats (Total: 25) ASY 3221

AMST260 **American Culture in the Information Age**

AMST260 American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: AMST260 or AMST298I. Formerly AMST298I. Examines the ways in which content and form of public information interact with the culture, families & individuals.

0101	Daniel Greene TuTh 9:30am - 10:45am	Seats (Total: 25) EGR 1108

AMST289A **Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.**

AMST289A Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Formerly: AMST298B.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Christina Hanhardt Tu 9:00am - 10:40am Th 8:00am - 8:50am	Seats (Total: 20) TWS 1100 HZF 0106	Discussion
0102	Christina Hanhardt Tu 9:00am - 10:40am Th 9:00am - 9:50am	Seats (Total: 20) TWS 1100 HZF 0106	Discussion
0103	Christina Hanhardt Tu 9:00am - 10:40am F 12:00pm - 12:50pm	Seats (Total: 20) TWS 1100 HZF 0106	Discussion
0104	Christina Hanhardt Tu 9:00am - 10:40am F 1:00pm - 1:50pm	Seats (Total: 20) TWS 1100 HZF 0106	Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200.

0101	Julie Park TuTh 9:30am - 10:45am	Seats (Total: 40) ASY 3203

AMST298W **Selected Topics in American Studies; Introduction to Queer Latina/o Studies**

AMST298W Selected Topics in American Studies: Introduction to Queer Latina/o Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT298L.

0101	Christopher Perez	Seats (Total: 35)	
	MW 2:00pm - 3:15pm	SQH 1101	

AMST328A **Perspectives on Identity and Culture; Migration and Sexuality**

AMST328A Perspectives on Identity and Culture: Migration and Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as USLT498F.

0101	Maria Vargas	Seats (Total: 25)	
	MWF 11:00am - 11:50am	HZF 0101	

AMST328N **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

AMST328N Perspectives on Identity and Culture: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also Offered as ANTH468F.

0101	L Gordon	Seats (Total: 35)	
	M 4:00pm - 6:40pm	PLS 1113	

AMST328Z **Perspectives on Identity and Culture; Literature and Film of the Civil Rights Movement**

AMST328Z Perspectives on Identity and Culture: Literature and Film of the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP498C and ENGL379C.

0101	Mary Washington	Seats (Total: 35)	
	Tu 3:30pm - 6:00pm	TWS 0234	
	Tu 6:00pm - 7:00pm	TWS 0234	Lab

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 Introduction to History, Theories and Methods in American Studies; (3 credits) Grade Method: REG.
Prerequisite: AMST201 and two additional AMST courses. Sophomore standing. For AMST majors only. Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Mary Sies	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	HZF 0101

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG. *Prerequisite: permission of department. Junior standing.* Faculty mentored independent learning. Online interaction using Blackboard required.

0601	Jo Paoletti	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418B **Cultural Themes in America; Digital Diversity**

AMST418B Cultural Themes in America: Digital Diversity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 Credits of prior coursework in AMST.

0101	Jason Farman	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SYM 0215

AMST418D **Cultural Themes in America; Growing Up American**

AMST418D Cultural Themes in America: Growing Up American; (3 credits) Grade Method: REG/P-F/AUD.

SG91	R Kelly	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2010 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students ae not eligible to enroll at Shady Grove.	

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in American Studies.

Contact department for information to register for this course.

AMST418L **Cultural Themes in America; Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 Credits of prior coursework in AMST. Also offered as AAS T498V and RELS419L.

0101	John Caughey	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HZF 0101

AMST418N **Cultural Themes in America; Asian American Public Policy**

AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
For students with Junior and Senior status only. Also offered as AAST498M.

0101	Philip Nash	Seats (Total: 30)
	M 4:00pm - 6:30pm	SQH 1107

AMST429J **Perspectives on Popular Culture; Social Activism and Popular Culture**

AMST429J Perspectives on Popular Culture: Social Activism and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 Credits of prior coursework in AMST.

0101	Sheri Parks MW 2:00pm - 3:15pm	Seats (Total: 35) PLS 1111

AMST429K **Perspectives on Popular Culture; The Detective in Culture, Novels, and Film**

AMST429K Perspectives on Popular Culture: The Detective in Culture, Novels, and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 Credits of prior coursework in AMST.

0101	Greg Metcalf Tu 3:30pm - 6:30pm	Seats (Total: 35) HBK 0302H

AMST432 **Literature and American Society**

AMST432 Literature and American Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Prior course in AMST, SOCY, American literature, or American history. Examination of the relationship between literature and society: including literature as cultural communication and the institutional framework governing its production, distribution, conservation and evaluation.

0101	R Kelly Class time/details on ELMs	Seats (Total: 35) ONLINE

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: AMST201, AMST340, and one additional AMST course. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Jo Paoletti MW 10:00am - 11:15am	Seats (Total: 20) HZF 1108
0201	Jo Paoletti MW 2:00pm - 3:15pm	Seats (Total: 20) HZF 1108

AMST498D **Special Topics in American Studies; Black Masculinities**

AMST498D Special Topics in American Studies: Black Masculinities; (3 credits)
Grade Method: REG.
Also offered as AASP498M. Prerequisite: 3 Credits of prior coursework in AMST.

0101	Jeffrey McCune Jr. TuTh 12:30pm - 1:45pm	Seats (Total: 35) JMP 3216

AMST498L **Special Topics in American Studies; Native Americans and U.S. Cinema**

AMST498L Special Topics in American Studies: Native Americans and U.S. Cinema; (3 credits) Grade Method: REG.
Prerequisite: 3 Credits of prior coursework in AMST.

0101	Robert Chester TuTh 2:00pm - 3:15pm	Seats (Total: 35) HBK 0302J

AMST498M **Special Topics in American Studies; Latinas/os and U.S. Popular Culture**

AMST498M Special Topics in American Studies: Latinas/os and U.S. Popular Culture; (3 credits) Grade Method: REG.
Also offered as USLT498B. Prerequisite: 3 Credits of prior coursework in AMST.

0101	Robert Chester TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0103

AMST498N **Special Topics in American Studies; Citizens, Refugees, and Immigrants**

AMST498N Special Topics in American Studies: Citizens, Refugees, and Immigrants; (3 credits) Grade Method: REG.
Also offered as USLT498I.

0101	Perla Guerrero TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEB 1200

AMST498V **Special Topics in American Studies; Sex and the City**

AMST498V Special Topics in American Studies: Sex and the City; (3 credits) Grade Method: REG.
Also offered as LGBT448C. Prerequisite: 3 Credits of prior coursework in AMST.

0101	Christina Hanhardt TuTh 2:00pm - 3:15pm	Seats (Total: 30) CCC 1111

AMST498Z **Special Topics in American Studies; Biography as Journalism**

AMST498Z Special Topics in American Studies: Biography as Journalism; (3 credits) Grade Method: REG.

0101	Mark Feldstein Tu 9:00am - 11:45am	Seats (Total: 15) KNI 3200

AMST603 **Current Approaches to American Studies**

AMST603 Current Approaches to American Studies; (3 credits) Grade Method: REG/AUD.
For AMST majors only or permission of department. Permission of instructor required for non-A MST graduate students. Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

0101	Psyche Williams-Forson Tu 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628M **Seminar in American Studies; Social Activism and New Media**

AMST628M Seminar in American Studies: Social Activism and New Media; (3 credits) Grade Method: REG/AUD.

0101	Sheri Parks M 4:00pm - 6:30pm	Seats (Total: 15) HZF 1108

AMST628W **Seminar in American Studies; History of Sexuality**

AMST628W Seminar in American Studies: History of Sexuality; (3 credits) Grade Method: REG/AUD.
Also offered as HIST639L. Credit will be granted for only one of the following: AMST628W or HIST639L.

0101	Clare Lyons M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2100

AMST629A **Seminar in American Studies; Ethnography**

AMST629A Seminar in American Studies: Ethnography; (3 credits) Grade Method: REG/AUD.

0101	John Caughey Th 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST629Z **Seminar in American Studies; History of Investigative Journalism**

AMST629Z Seminar in American Studies: History of Investigative Journalism; (3 credits) Grade Method: REG/AUD.

0101	Mark Feldstein M 9:00am - 11:45am	Seats (Total: 15) KNI 3200

AMST655 **Introduction to Museum Scholarship**

AMST655 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as HIST 610. Credit will be granted for only one of the following: AMST 638C, AMST 655, HIST 610, or HIST 619C. Formerly AMST638C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship. Meets in the Smithsonian Institution Library Conference room on the ground floor of the National Museum of Natural History near the 10th Street NW and Constitution Avenue entrance. The first class session will meet at the information desk.

0101	Ellen Hughes W 4:00pm - 6:40pm	Seats (Total: 15) Location: TBA

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST851 **Interpretation of Cultural Landscapes**

AMST851 Interpretation of Cultural Landscapes; (3 credits) Grade Method: REG. A research seminar that provides students an opportunity to survey the principal approaches to studying a cultural landscape, learn how to apply and adapt a field research method, and produce a primary research report on a cultural landscape of their choice.

0101	Mary Sies M 7:00pm - 9:45pm	Seats (Total: 8) HZF 1108

AMST857 **Museum Scholarship Practicum**

AMST857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: AMST856 and Permission of Museum Scholarship Program. Also offered as HIST811. Credit will be granted for only one of the following: AMST857 or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0201	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Spring 2012

ANSC212 **Applied Animal Physiology**

ANSC212 Applied Animal Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC211 or equivalent.* The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences.

0101	Edward Orlando, Zhengguo Xiao	Seats (Total: 80)
	MWF 1:00pm - 1:50pm	ANS 0408

ANSC214 **Applied Animal Physiology Laboratory**

ANSC214 Applied Animal Physiology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: ANSC212. Application of physiological laboratory techniques to domestic and lab animals. Students must pay a $50.00 laboratory materials fee.

0101	Edward Orlando, Zhengguo Xiao M 2:00pm - 5:00pm	Seats (Total: 24) ANS 1144	Lab
0102	Edward Orlando, Zhengguo Xiao W 2:00pm - 5:00pm	Seats (Total: 24) ANS 1144	Lab
0103	Edward Orlando, Zhengguo Xiao F 2:00pm - 5:00pm	Seats (Total: 24) ANS 1144	Lab

ANSC232 **Horse Management**

ANSC232 Horse Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC232 or ANSC332. Formerly ANSC332. An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 20) ANS 0408 ANS 0412	Lab
0102	Amy Burk MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 20) ANS 0408 ANS 0412	Lab

ANSC235 **Applied Small Ruminant Parturition**

ANSC235 *(PermReq)* **Applied Small Ruminant Parturition; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C- or better in ANSC101, ANSC103 and permission of department. Not open to students who have completed "Lamb Watch". Popularly known as "Lamb Watch", the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc. Students must pay a $50.00 laboratory materials fee.

0101	Sarah Balcom Tu 8:00am - 8:50am M 2:00pm - 3:30pm	Seats (Total: 15) ANS 0408 Location: TBA	Lab
0102	Sarah Balcom Tu 8:00am - 8:50am Th 2:00pm - 3:30pm	Seats (Total: 15) ANS 0408 Location: TBA	Lab

ANSC237 **Equine Reproduction**

ANSC237 Equine Reproduction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC232. Credit will be granted for only one of the following: ANSC237 or INAG233. Students learn the fundamental skills necessary to manage equine reproductive services including anatomy and physiology of genital tracts, estrus detection, control of cycle, survey of reproductive techniques, infertility, mare, foal and stallion management, and equine genetics. One or two weekend laboratory sessions will be required. Students must pay a $50.00 laboratory materials fee.

0101	Erin Pittman TuTh 2:00pm - 2:50pm	Seats (Total: 25) HJP 1104

ANSC260 **Laboratory Animal Management**

ANSC260 Laboratory Animal Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC260 or ANSC413. Formerly ANSC413. A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black	Seats (Total: 20)	
	MW 10:00am - 10:50am F 8:00am - 12:00pm	ANS 0412 Location: TBA	Lab

ANSC262 **Commercial Poultry Management**

ANSC262 Commercial Poultry Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Theory and science of rearing poultry and marketing poultry meat and eggs in the commercial sector. Includes current issues, organization of the industry, as well as fundamental biology of the domestic chicken. Students will help raise a flock of broiler chickens. Field trips to commercial poultry operations are required. Students must pay a $50.00 laboratory materials fee.

0101	Nickolas Zimmermann	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	ANS 0402	

ANSC275 **Introduction to Veterinary Medical Science and Practice**

ANSC275 Introduction to Veterinary Medical Science and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and/or ANSC101. The fundamentals of clinical veterinary medical practice and the research that supports it. Topics presented will include the histology, gross anatomy and physiology of the musculoskeletal, cardiovascular, respiratory, reproductive, digestive, renal and neurological systems as they relate to the description of specific disease states taught in this course. Additionally, examples of diseases caused by pathologic disturbances to these systems will be discussed, as well as the basic principles of preventative health care, diagnostic testing and pharmacologic intervention. Significant attention will be given to research in veterinary science and the practice of evidence-based medicine. This course is intended for any student interested in veterinary medicine, animal physiology, or medical science.

0101	Sarah Balcom MWF 10:00am - 10:50am	Seats (Total: 50) ANS 0408	

ANSC315 **Applied Animal Nutrition**

ANSC315 Applied Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC314. Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock. Students must pay a $50.00 laboratory materials fee.

0101	Richard Erdman TuTh 12:30pm - 1:45pm Th 8:00am - 8:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0102	Richard Erdman TuTh 12:30pm - 1:45pm Th 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0103	Richard Erdman TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion

ANSC327 **Molecular and Quantitative Animal Genetics**

ANSC327 Molecular and Quantitative Animal Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANSC101, ANSC103, BSCI105, and CHEM131. Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Jiuzhou Song, Iqbal Hamza	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	ANS 0408

ANSC340 **Health Management of Animal Populations**

ANSC340 Health Management of Animal Populations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212. Recommended: BSCI223. Credit will be granted for only one of the following: ANSC340 or ANSC412. Formerly ANSC412. A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

0101	Sarah Balcom	Seats (Total: 45)
	TuTh 9:30am - 10:45am	ANS 0408

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC388 **Honors Thesis Research**

ANSC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

4501	Tom Porter	Seats (Total: 5)
	Contact instructor or department for details.	

5301	Frank Siewerdt	Seats (Total: 5)	
	Contact instructor or department for details.		

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC420 **Critical Thinking in Animal Science**

ANSC420 Critical Thinking in Animal Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ANSC314 and junior standing. Recommended: AREC250 and AREC306. Employ methods to systematically solve selected problems that typically arise on farms or allied businesses related to animal enterprises.

0101	Amy Burk, Robert Peters, Douglas Powell, Susan Schoenian	Seats (Total: 20)	
	W 1:00pm - 5:00pm	ANS 0412	

ANSC435 **Experimental Embryology**

ANSC435 Experimental Embryology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212. Recommended: Reproductive Physiology. Credit will be granted for only one of the following: ANSC435 or ANSC489M. Formerly ANSC489M. Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer. Students must pay a $50.00 laboratory materials fee.

0101	Carol Keefer	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 1144	
	Th 2:00pm - 5:00pm	ANS 1144	Lab

ANSC453 **Animal Welfare and Bioethics**

ANSC453 Animal Welfare and Bioethics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Junior standing.* Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

0101	William Stricklin, Kim Drnec	Seats (Total: 65)
	MW 4:00pm - 5:15pm	SYM 0200

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489B **Current Topics in Animal Science; Animal Learning and Motivation**

ANSC489B Current Topics in Animal Science: Animal Learning and Motivation; (1 credit) Grade Method: REG/P-F/AUD.

0101	Janet Halperin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC489K **Current Topics in Animal Science; Physiology of Fishes**

ANSC489K Current Topics in Animal Science: Physiology of Fishes; (3 credits) Grade Method: REG/P-F/AUD.
This course will be taught at UMD and will be available via Adobe Connector. Please contact the instructor if you are planning to take the course via Adobe Connect. Prerequisite: ANSC212 or equivalent. Also offered as ANSC688K. A comprehensive examination of topics such as feeding and nutrition; gas exchange; cardiovascular system; osmo/ionic regulation; temperature regulation; hearing, mechanoreception, chemoreception; endocrinology; and reproduction, with a focus on teleost fishes. This should be of interest to those students not only with an interest in fish biology, but also to those going on to veterinary medicine as well as students with an interest in aquaculture,biomedical, and toxicological research with fishes.

0101	Edward Orlando	Seats (Total: 15)	
	Tu 3:30pm - 5:20pm	SYM 0118	
	Tu 5:30pm - 6:20pm	SYM 0118	Discussion

ANSC627 **Molecular and Quantitative Genetics**

ANSC627 Molecular and Quantitative Genetics; (3 credits) Grade Method: REG/AUD.
Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza, Jiuzhou Song	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0408

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688K **Special Topics; Physiology of Fishes**

ANSC688K Special Topics: Physiology of Fishes; (3 credits) Grade Method: REG/AUD.
This course will be taught at UMD and will be available via Adobe Connector. Please contact the instructor if you are planning to take the course via Adobe Connect. Prerequisite: ANSC212 or equivalent. Also offered as ANSC489K. A comprehensive examination of topics such as feeding and nutrition; gas exchange; cardiovascular system; osmo/ionic regulation; temperature regulation; hearing, mechanoreception, chemoreception;, endocrinology; and reproduction, with a focus on teleost fishes. This should be of interest to those students not only with an interest in fish biology, but also to those going on to veterinary medicine as well as students with an interest in aquaculture, biomedical, and toxicological research with fishes.

0101	Edward Orlando	Seats (Total: 15)	
	Tu 3:30pm - 5:20pm	SYM 0118	
	Tu 5:30pm - 6:20pm	SYM 0118	Discussion

ANSC688P **Special Topics; Protein Nutrition and Metabolism**

ANSC688P Special Topics: Protein Nutrition and Metabolism; (3 credits) Grade Method: REG/AUD.

0101	Brian Bequette	Seats (Total: 15)
	MW 1:00pm - 2:15pm	ANS 0402

ANSC688W **Special Topics; Advanced Animal Welfare**

ANSC688W Special Topics: Advanced Animal Welfare; (1-4 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 6)
	MW 4:00pm - 5:15pm	SYM 0200

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.
Credit will be granted for ANSC698A and ANSC698C.

0101	Nickolas Zimmermann	Seats (Total: 30)
	W 4:00pm - 4:50pm	ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Spring 2012

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30.00 laboratory materials fee.

0101	Courtney Hofman TuTh 9:30am - 10:45am M 8:00am - 10:00am	Seats (Total: 20) SQH 1119 WDS 0124C	 Lab
0102	Courtney Hofman TuTh 9:30am - 10:45am M 11:00am - 1:00pm	Seats (Total: 20) SQH 1119 WDS 0124C	 Lab
0103	Courtney Hofman TuTh 9:30am - 10:45am M 2:00pm - 4:00pm	Seats (Total: 20) SQH 1119 WDS 0124C	 Lab

0201	Christine Hesed TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) SQH 1119 WDS 0124C	Lab
0202	Christine Hesed TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) SQH 1119 WDS 0124C	Lab
0203	Christine Hesed TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) SQH 1119 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Stephen Brighton TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0102	Stephen Brighton TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0103	Stephen Brighton TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 WDS 0104	Discussion

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	William Stuart MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion
0102	William Stuart MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion
0103	William Stuart MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion
0104	William Stuart MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion
0105	William Stuart MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion

ANTH298D **Introduction to Zooarchaeology**

ANTH298D Introduction to Zooarchaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Click here for more course information.

0101	Amanda Tang Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) HJP 1125 WDS 0124C	

ANTH298F **Gender and Anthropology**

ANTH298F Gender and Anthropology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Click here for more course information.

0101	Katherine Johnson TuTh 5:00pm - 6:15pm	Seats (Total: 35) KEY 0125	

ANTH298L **Special Topics in Anthropology: Representations of American Indians in Films and Museums**

ANTH298L Special Topics in Anthropology: Representations of American Indians in Films and Museums; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This class will explore film and museum representations by both non-Natives and American Indians. Through readings, films, discussions, and hands-on projects, the course will consider several issues influencing representation such as historical understandings, notions of authenticity, interactions between different groups, and ethnographic experiences. Click here for more course information.

0101	Amy Carattini	Seats (Total: 35)
	W 3:00pm - 5:45pm	TYD 0101

ANTH298M **Special Topics in Anthropology: Archaeology of the Spanish Empire**

ANTH298M Special Topics in Anthropology: Archaeology of the Spanish Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Click here for more course information.

0101	Mary Furlong	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	WDS 1114

ANTH338A **Special Topics in Study Abroad III; Cultural Anthropology of Spain**
Contact department for information to register for this course.

ANTH340 **Method and Theory in Archaeology**

ANTH340 Method and Theory in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. For all Anthropology majors with a focus in archaeology or permission of department. Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	Jocelyn Knauf	Seats (Total: 35)
	W 3:00pm - 5:45pm	WDS 1114

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. For all Anthropology majors with a focus in cultural anthropology or permission of department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 45)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398B **Independent Study; Modern Tribes of Rome**
Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**
Contact department for information to register for this course.

ANTH398D **Independent Study; Becoming a Professional Anthropologist: Undergraduate Research Experience**

ANTH398D Independent Study: Becoming a Professional Anthropologist: Undergraduate Research Experience; (3 credits) Grade Method: REG/P-F/AUD.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)

1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
1008	John Caughey Contact instructor or department for details.	Seats (Total: 10)
2002	Teresa Leslie Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)
3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)

ANTH398E **Independent Study; Bodies and Burials**
Contact department for information to register for this course.

ANTH398F **Independent Study; Professional Development for Anthropologist**

ANTH398F *(PermReq)* **Independent Study: Professional Development for Anthropologist; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH398T **Independent Study; Proseminar-Capstone Thesis**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH425 **Theory and Practice of Applied Biological Anthropology**
Contact department for information to register for this course.

ANTH429A **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens, and Public Policy**

ANTH429A Advanced Special Topics in Biological Anthropology: Plagues, Pathogens, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Marilyn London M 6:00pm - 8:45pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4211

ANTH429E **Advanced Special Topics in Biological Anthropology; Biocultural Approaches to Race and Human Diversity**

ANTH429E Advanced Special Topics in Biological Anthropology: Biocultural Approaches to Race and Human Diversity; (3 credits) Grade Method: REG/P-F/AUD.

Biological diversity in humans including race a and evolutionary theories related to diversity will be discussed. Topics will include (but are not limited to) historical perceptive on diversity; evolutionary forces as applied to human genetics and biodiversity; human adaptations to different environments; biocultural survey of nutrition, health and growth; and cultural constructions of race and diversity.

0101	Susan Steen	Seats (Total: 30)
	W 6:00pm - 8:45pm	WDS 1114

ANTH446 **Chesapeake Archeology**

ANTH446 Chesapeake Archeology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANTH240. Credit will be granted for only one of the following: ANTH446, ANTH448W, ANTH646 or ANTH689W. Formerly ANTH448W.* An overview of the culture and history of the Chesapeake watershed region, and of the issues that archaeologists face working in this region.

0101	Matthew Palus	Seats (Total: 30)
	M 3:00pm - 5:45pm	TYD 0102

ANTH447 **Material Culture Studies in Archaeology**

ANTH447 Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Credit will be granted for only one of the following: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly ANTH448C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH448P **Special Topics in Archaeology; Anthropological Theories of the Past**

ANTH448P Special Topics in Archaeology: Anthropological Theories of the Past; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 740. Prerequisite: ANTH240. Click here for more course information.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	HZF 0101

ANTH468B **Special Topics in Cultural Anthropology; Applied Urban Ethnography**

ANTH468B Special Topics in Cultural Anthropology: Applied Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tony Whitehead	Seats (Total: 20)
	Th 6:00pm - 8:45pm	WDS 1114

ANTH468C **Special Topics in Cultural Anthropology; Anthropology and Climate Change**

ANTH468C Special Topics in Cultural Anthropology: Anthropology and Climate Change; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	L Jen Shaffer	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	WDS 1114

ANTH468F **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

ANTH468F Special Topics in Cultural Anthropology: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also Offered as AMST328N. Click here for more course information.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

ANTH468I **Special Topics in Cultural Anthropology; Language as Practice**

ANTH468I Special Topics in Cultural Anthropology: Language as Practice; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Janet Chernela	Seats (Total: 30)
	M 2:00pm - 4:45pm	WDS 1114

ANTH468L **Special Topics in Cultural Anthropology; Conservation and Indigenous People in Latin America**

ANTH468L Special Topics in Cultural Anthropology: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448L.

0101	Janet Chernela M 6:00pm - 8:45pm	Seats (Total: 20) WDS 1130

ANTH468T **Special Topics in Cultural Anthropology; Globalization of Hatred**

ANTH468T Special Topics in Cultural Anthropology: Globalization of Hatred; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	William Stuart TuTh 2:00pm - 3:15pm	Seats (Total: 30) WDS 1130

ANTH472 **Medical Anthropology**

ANTH472 Medical Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ANTH472, ANTH468, ANTH672,or ANTH688L. Formerly ANTH468L. An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Claire Smith, Judith Freidenberg M 6:00pm - 8:45pm	Seats (Total: 20) WDS 1114

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead Th 6:00pm - 8:45pm	Seats (Total: 10) WDS 1114

ANTH630 **Quantification and Statistics in Applied Anthropology**

ANTH630 Quantification and Statistics in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

0101	Michael Paolisso W 6:00pm - 8:45pm	Seats (Total: 20) WDS 0104

ANTH646 **Advanced Studies in Chesapeake Archaeology**

ANTH646 Advanced Studies in Chesapeake Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH448W, ANTH646, or ANTH689W. Formerly ANTH689W. An understanding of the greater Chesapeake region, including its major cities, derived from prehistoric and historical archaeology. The course will include topics related to the past and present conditions of Native peoples, colonized populations, and the relationship of preserved remains to modern political standings.

0101	Matthew Palus M 3:00pm - 5:45pm	Seats (Total: 10) TYD 0102

ANTH647 **Advanced Material Culture Studies in Archaeology**

ANTH647 Advanced Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly ANTH689C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH672 **Advanced Studies in Medical Anthropology**

ANTH672 Advanced Studies in Medical Anthropology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH472, ANTH468L, ANTH672, ANTH688L. Formerly ANTH688L. An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Judith Freidenberg	Seats (Total: 10)
	M 6:00pm - 8:45pm	WDS 0104

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688I **Current Developments in Anthropology; Language as Practice**

ANTH688I Current Developments in Anthropology: Language as Practice; (3 credits) Grade Method: REG/AUD.

0101	Janet Chernela	Seats (Total: 10)
	M 2:00pm - 4:45pm	WDS 1114

ANTH688L **Current Developments in Anthropology; Conservation and Indigenous People in Latin America**

ANTH688L Current Developments in Anthropology: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG/AUD.

0101	Janet Chernela	Seats (Total: 10)
	M 6:00pm - 8:45pm	WDS 1130

ANTH688T **Current Developments in Anthropology; Method and Theory in Sociocultural Anthropology**

ANTH688T Current Developments in Anthropology: Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/AUD.
Prerequisite: graduate status in Historical or Social/Behavioral Sciences.

0101	William Stuart	Seats (Total: 5)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689C **Special Problems in Anthropology; Anthropology and Climate Change**

ANTH689C Special Problems in Anthropology: Anthropology and Climate Change; (3 credits) Grade Method: REG/S-F.

0101	L Jen Shaffer	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	WDS 1114

ANTH689E **Special Problems in Anthropology; Biocultural Approaches to Race and Human Diversity**

ANTH689E Special Problems in Anthropology: Biocultural Approaches to Race and Human Diversity; (3 credits) Grade Method: REG/S-F.
Biological diversity in humans including race a and evolutionary theories related to diversity will be discussed. Topics will include (but are not limited to) historical perceptive on diversity; evolutionary forces as applied to human genetics and biodiversity; human adaptations to different environments; biocultural survey of nutrition, health and growth; and cultural constructions of race and diversity.

0101	Susan Steen	Seats (Total: 10)
	W 6:00pm - 8:45pm	WDS 1114

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH720 **Advanced Studies in Theory and Practice in Applied Biological Anthropology**

ANTH720 Advanced Studies in Theory and Practice in Applied Biological Anthropology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH420, ANTH425, ANTH625, or ANTH720. An introductin to the major theoretical and methodological underpinngs of applied biological anthropology within such areas as anthropological genetics, applied anthropometry, forensic anthropology, museum studies, and zoological parks. Emphasis is on the evaluation of the contributions of applied bioanthropological studies to particular problems in human health, environment, and heritage.

0101	Katherine Russell	Seats (Total: 25)
	Th 6:00pm - 8:40pm	WDS 0104

ANTH740 **Theories of the Past and Accomplishments of Archaeology**

ANTH740 Theories of the Past and Accomplishments of Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH689P or ANTH740. Formerly ANTH689P. The primary purpose is to highlight some of the key achievements made by archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life. Also offered as ANTH448P.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	HZF 0101

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Spring 2012

AOSC123 **Causes and Implications of Global Change**

AOSC123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as GEOG123, and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. Formerly METO123. This course offers a unique experience in integrating physical, chemical, geological and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming and impacts on biology, agriculture and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0102	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HBK 0103	Discussion
0103	Eric Kasischke, Michael Evans, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0104	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HBK 0108	Discussion

0105	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0108	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0109	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 0120	Discussion
0110	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 HBK 0108	Discussion

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC201. Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Hudson TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2416	Discussion

0102	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2416	 Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2416	 Discussion
0104	Robert Hudson TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 1113	 Discussion
0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2416	 Discussion
0204	Robert Hudson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	 Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC200. Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.

0101	Jordan Foley Tu 2:30pm - 4:30pm	Seats (Total: 25) CSS 3426	 Lab

0102	Linda Hembeck W 8:00am - 10:00am	Seats (Total: 25) CSS 3426	Lab
0103	Benjamin Johnston F 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0104	Stephen Baxter M 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab

AOSC401 **Climate Dynamics and Earth System Science**

AOSC401 Climate Dynamics and Earth System Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC200 or AOSC400; or permission of instructor. Formerly METO401. The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere; carbon cycle and biogeochemistry. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

0101	Zhanqing Li F 10:00am - 12:45pm	Seats (Total: 25) CSS 1113	

AOSC432 **Large Scale Atmospheric Dynamics**

AOSC432 Large Scale Atmospheric Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC431/METO431. Corequisite: MATH246. 3 semester hours. Credit will be granted for only one of the following: AOSC432, METO432, or AOSC632. Formerly METO432. The physics of the atmospheric motions that control mid-latitude weather; physics of hurricanes; mathematics of climate change.

0101	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 2416	
AM01	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 2416	

AOSC433 **Atmospheric Chemistry and Climate**

AOSC433 Atmospheric Chemistry and Climate; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131 or CHEM135 or CHEM146 and MATH241, or permission of department. Also offered as CHEM433. Credit will be granted for only one of the following: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly AOSC434. The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as CHEM433. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

0101	Ross Salawitch	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC458R **Special Topics in Atmospheric Oceanic Science; Earth, Life, and Sustainability**

AOSC458R Special Topics in Atmospheric Oceanic Science: Earth, Life, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
The Earth System operates through some fundamental cycles such as the Water, Energy, and the Carbon Cycles. A long-term perspective is offered in this course starting with the evolution of the solar system, the earth-moon system to place the energy balance of the Earth System intheperspective of the run away warming of Venus and the run-away cooling of Mars and the Greenhouse effect that places the habitable earth in the continuous habitable zone with water in all its phases.

0101	Raghu Murtugudde	Seats (Total: 20)
	MW 10:00am - 11:30am	CHE 2116

AOSC494 **Atmospheric and Oceanic Science Seminar**

AOSC494 Atmospheric and Oceanic Science Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC431 and AOSC432 with a grade of C- or higher. Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Takemasa Miyoshi	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC602 **Mesoscale Meteorology**

AOSC602 Mesoscale Meteorology; (3 credits) Grade Method: REG/AUD.
Prerequisites: METO 600 or METO 611. Mesoscale approximations, cyclones and fronts, quasi- versus semi-geostrophic theory, piece-wise PV inversion, waves and instability, isolated convection, organized convective systems, numericalmodeling and convective parameterization.

0101	Da-Lin Zhang	Seats (Total: 25)
	TuTh 10:30am - 11:45am	CSS 3425

AOSC611 **Dynamics of the Atmosphere and Oceans II**

AOSC611 Dynamics of the Atmosphere and Oceans II; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610. Formerly METO611. Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

0101	Da-Lin Zhang MWF 11:00am - 11:50am	Seats (Total: 25) CSS 2416

AOSC617 **Atmospheric and Oceanic Climate**

AOSC617 Atmospheric and Oceanic Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610 or approval of instructor. Formerly METO617. The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

0101	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 25) CSS 3425
AM01	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 5) CSS 3425

AOSC621 **Physics and Chemistry of the Atmosphere II**

AOSC621 Physics and Chemistry of the Atmosphere II; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 462 or equivalent PDE (partial differential equations) course; and METO 620. Formerly METO621. Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

0101	Zhanqing Li TuTh 9:00am - 10:15am	Seats (Total: 25) CSS 1113

AOSC624 **Remote Sensing of Surface Climate**

AOSC624 Remote Sensing of Surface Climate; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 240; MATH 241, and METO 400. The theory and principles of remote sensing as applicable to earth observing satellites. Discussed will be current methods to interpret satellite observations into useful climate parameters. Emphasis will be placed on parameters that provide information about the climate close to the earth surface, and that can be inferred on regional to global scales. Examples are: surface temperature and reflectivity, radiation budgets, soil moisture, and vegetation cover.

0101	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 25) CSS 1113
AM01	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 5) CSS 1113

AOSC630 **Statistical Methods in Meteorology and Oceanography**

AOSC630 Statistical Methods in Meteorology and Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: STAT 400 or equivalent introductory statistics course. Formerly METO630. Parametric and non-parametric tests; time series analysis and filtering; wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

0101	Takemasa Miyoshi W 11:30am - 2:00pm	Seats (Total: 15) CSS 2428
AM01	Takemasa Miyoshi W 11:30am - 2:00pm	Seats (Total: 15) CSS 2428

AOSC633 **Atmospheric Chemistry and Climate**

AOSC633 Atmospheric Chemistry and Climate; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM131 or CHEM135 or CHEM146 and MATH 241 or permission of department. Also offered as CHEM633. Credit will be granted for only one of the following: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly AOSC658R. The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as CHEM633. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

0101	Ross Salawitch	Seats (Total: 8)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC658D **Special Topics in Meteorology; ATMOSPHERIC CHEMISTRY**

AOSC658D Special Topics in Meteorology: ATMOSPHERIC CHEMISTRY; (3 credits) Grade Method: REG/AUD.

0101	Russell Dickerson	Seats (Total: 5)
	Contact instructor or department for details.	

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC675 **Carbon Cycle and Climate: Past, Present, and Future**

AOSC675 Carbon Cycle and Climate: Past, Present, and Future; (3 credits)
Grade Method: REG/AUD.
The fundamentals of the Earth's carbon cycle, a key biogeochemical cycle that controls Earth's climate and life. The changing characteristics of the carbon cycle on several timescales, ranging from geological, interannual, and the more recent anthropogenic influences on carbon cycle and climate. The carbon cycle in the atmosphere, land, ocean, and the biosphere. The underlying human activities such as fossil fuel burning and deforestation that are responsible for the increase in the atmosphere CO2 and our future options in dealing with the carbon problem such as alternative energy and carbon sequestration.

0101	Ning Zeng	Seats (Total: 20)
	F 10:00am - 12:30pm	CHE 2116

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Takemasa Miyoshi	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Spring 2012

ARAB101 **Elementary Arabic I**
Contact department for information to register for this course.

ARAB105 **Elementary Modern Standard Arabic III-IV**

ARAB105 Elementary Modern Standard Arabic III-IV; (6 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB104. Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Fatima Almutawakel MWF 10:00am - 11:50am	Seats (Total: 15) LEF 1201
0201	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) SQH 2117
0301	Dina El-Hefnawy MW 12:00pm - 1:50pm F 12:00pm - 1:50pm	Seats (Total: 15) SQH 1105 SQH 2119
0401	Meryem Cherrouk MW 12:00pm - 1:50pm F 12:00pm - 1:50pm	Seats (Total: 15) SQH 1121 SQH 2121
0501	Fatima Almutawakel MWF 2:00pm - 3:50pm	Seats (Total: 15) SQH 1111

ARAB107 **Elementary Egyptian Colloquial Arabic II**

ARAB107 Elementary Egyptian Colloquial Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB106. Continuation of ARAB106, covering a wider range of basic vocabulary, grammar forms, communicative and cultural situations using the widely spread spoken variety of Egyptian Arabic. Emphasis on developing learners' listening and speaking skills in Egyptian Arabic, since colloquial dialects in the Arab world are mainly used in speech.

0101	Dina El-Hefnawy Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 15) SQH 1117 LEF 1221
FLP1	Dina El-Hefnawy Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) SQH 2119 SQH 1105

ARAB205 **Intermediate Modern Standard Arabic II**

ARAB205 Intermediate Modern Standard Arabic II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB204. Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

0101	sahar jendi MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2117
0201	Lutf Alkebsi MWF 10:00am - 11:50am	Seats (Total: 15) LEF 1220
FLP2	sahar jendi MW 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 15) SQH 1101 LEF 1221

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB206 or equivalent.
Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

FLP1	Nesrine Basheer TuTh 12:30pm - 1:45pm	Seats (Total: 15) SQH 2117

ARAB298B **The Arabian Nights and the Art of Storytelling**

ARAB298B The Arabian Nights and the Art of Storytelling; (1-3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Taught in English. The Thousand and One Nights in its literary, historical, and sociological contexts and its influence on art and literature throughout time.

0101	Sayed Elsisi TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 0103

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB304 or equivalent.
Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

0101	Basem Elzaawily TuTh 2:00pm - 3:15pm	Seats (Total: 15) SQH 1123
FLP1	Peter Glanville TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2206

ARAB310 **Intermediate Levantine Arabic I**

ARAB310 Intermediate Levantine Arabic I; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: ARAB211 or permission of department. Focuses on speaking and listening skills in Levantine Arabic, enriching vocabulary, introducing more complex grammatical forms and structures. Range of communicative contexts. Some reading in Arabic.

PC01	Valerie Anishchenkova TuTh 1:30pm - 2:45pm F 10:00am - 11:00am	Seats (Total: 4) SQH 2107 SQH 2112
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .	
PC02	Valerie Anishchenkova TuTh 10:00am - 11:15am F 10:00am - 11:00am	Seats (Total: 4) SQH 2107 SQH 2112
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .	
PC03	Valerie Anishchenkova MW 10:00am - 11:15am F 11:15am - 12:15pm	Seats (Total: 4) SQH 2107 SQH 2112
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .	
PC04	Valerie Anishchenkova TuTh 12:00pm - 1:15pm F 11:15am - 12:15pm	Seats (Total: 4) SQH 2107 SQH 2112
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .	

ARAB398A **Special Topics in Arabic Studies; The Arab World Today: Cultural Discourse of the 2011 Egyptian Revolution**

ARAB398A *(PermReq)* **Special Topics in Arabic Studies: The Arab World Today: Cultural Discourse of the 2011 Egyptian Revolution; (3 credits)** Grade Method: REG/P-F/AUD.

Taught in Arabic. Prerequisites: ARAB 304 and ARAB 106. By permission only. Not open to fluent/native speakers of Arabic.

0101	Inas Hassan TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 1105

ARAB398B **Special Topics in Arabic Studies; The Arab World Today**

ARAB398B *(PermReq)* **Special Topics in Arabic Studies: The Arab World Today; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304. Taught in Arabic.

0101	Basem Elzaawily MW 2:00pm - 3:15pm	Seats (Total: 15) SQH 2120

ARAB399 **Independent Study In Arabic**
Contact department for information to register for this course.

ARAB499C **Special Topics in Arabic Studies; Sexuality and Gender in Arabic Literature and Film**

ARAB499C Special Topics in Arabic Studies: Sexuality and Gender in Arabic Literature and Film; (3 credits) Grade Method: REG/P-F/AUD.
Examines sociocultural constructions of gender and sexuality in literary and cinematic narratives from different parts of the Arab world from a comparative perspective. Readings include theory. Priority given to Arabic majors & FLP students. Taught in English.

0101	Valerie Anishchenkova Tu 3:30pm - 6:30pm	Seats (Total: 35) SQH 1101

ARAB499D **Special Topics in Arabic Studies; Introduction to Arabic Linguistics**

ARAB499D *(PermReq)* **Special Topics in Arabic Studies: Introduction to Arabic Linguistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequistite: ARAB305. Taught in Arabic.

0101	Peter Glanville Th 2:00pm - 5:00pm	Seats (Total: 15) JMZ 1124

ARAB499E **Special Topics in Arabic Studies; Modernity and Chronology of Modern Egypt in Cinema**

ARAB499E Special Topics in Arabic Studies: Modernity and Chronology of Modern Egypt in Cinema; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ARAB304. Taught in Arabic.

0101	Sayed Elsisi TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2125

ARAB604 **Arabic to English Interpreting**

ARAB604 Arabic to English Interpreting; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Practicum in interpreting from Arabic into English. On-sight, consecutive, and simultaneous. This course is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .

PC01	Alaa Elgibali M 2:00pm - 5:00pm	Seats (Total: 8) SQH 2112
PC02	Alaa Elgibali W 2:00pm - 5:00pm	Seats (Total: 8) SQH 2112

ARAB610 **Islamic Culture**

ARAB610 Islamic Culture; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* In-depth study of core topics related to Islamic culture and society, e.g. the political system, caliphates, reform movements, Shari's law. Taught in Arabic.

PC01	Soulaiman Jendi TuTh 11:30am - 1:00pm *This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .*	Seats (Total: 8) SQH 2112
PC02	Soulaiman Jendi MW 9:00am - 10:30am *This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .*	Seats (Total: 8) SQH 2112

ARAB628R **Special Topics in Arabic Studies; Readings in Arabic**

Contact department for information to register for this course.

ARAB650 **The Arab World and Contemporary International Relations**

ARAB650 The Arab World and Contemporary International Relations; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Examines the political interests and diplomatic positions of Arabic-speaking countries in the contemporary international context. Taught in Arabic. This course is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .

PC01	Lutf Alkebsi	Seats (Total: 8)	
	TuTh 9:00am - 10:30am W 2:00pm - 3:00pm	SQH 2112 SQH 2107	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC02	Inas Hassan	Seats (Total: 8)	
	MW 11:30am - 1:00pm M 2:00pm - 3:00pm	SQH 2112 SQH 2107	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

ARAB788 **Internship in Arabic**

ARAB788 Internship in Arabic; (3 credits) Grade Method: REG.

IN01	Instructor: TBA	Seats (Total: 8)
	Contact instructor or department for details.	
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language.	

ARAB789 **Independent Study in Arabic**

ARAB789 Independent Study in Arabic; (1-3 credits) Grade Method: REG.

PC01	Valerie Anishchenkova	Seats (Total: 8)
	Contact instructor or department for details.	
	This section is restricted to students in the Arabic Flagship Graduate Program. For more information, visit http://www.oes.umd.edu/index.php?slab=arabic-language .	

PC02	Valerie Anishchenkova Contact instructor or department for details.	Seats (Total: 8)

ARCH Architecture Spring 2012

ARCH101 **Foundations in Architecture**

ARCH101 Foundations in Architecture; (1 credit) Grade Method: REG/P-F. *Prerequisite: UNIV100 or permission of department. Restricted to students with less than 60 credits. Freshman standing.* To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

0101	Caitlin Latini, Marisa Allen Tu 10:30am - 12:15pm	Seats (Total: 15) ARC 1121
0301	Caitlin Latini, Marisa Allen M 11:00am - 12:50pm	Seats (Total: 15) ARC 1121
0401	Caitlin Latini, Marisa Allen Th 4:00pm - 5:50pm	Seats (Total: 15) ARC 1123

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

BL01	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 ARC 1101	 Discussion

One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.

BL02	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 ARC 1101	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL03	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 ARC 1101	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL04	Luis Diego Quiros Pacheco MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 ARC 1103	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL05	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 ARC 1103	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL06	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 ARC 1103	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL07	Luis Diego Quiros Pacheco MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 ARC 1103	 Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		

BL08	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 ARC 1103	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL09	Luis Diego Quiros Pacheco MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 ARC 1101	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		
BL12	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 ARC 1103	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedL arning2011.cfm/ Click here for more course information.		

ARCH226 **History of World Architecture II**

ARCH226 History of World Architecture II; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1000 to 1800.

0101	Cynthia Field TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204

ARCH242 **Basic Architectural Drawing**

ARCH242 Basic Architectural Drawing; (3 credits) Grade Method: REG.
Prerequisite: ARCH170 or permission of department. Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0104	Lester Escobal F 8:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 0204 ARC 1123	 Lab
0105	Lester Escobal F 8:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 12) ARC 0204 ASY 3215	 Lab
0106	Lester Escobal F 8:00am - 9:50am Tu 10:30am - 12:20pm	Seats (Total: 10) ARC 0204 ARC 1125	 Lab

ARCH289I **Smart Growth goes to School**

ARCH289I Smart Growth goes to School; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Ralph Bennett TuTh 3:30pm - 4:45pm	Seats (Total: 60) ARC 0204	

ARCH401 **Architecture Studio II**

ARCH401 *(PermReq)* **Architecture Studio II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 with a grade of C- or better. For ARCH majors only. Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors. Restricted to ARCH majors.

0101	Michael Ambrose	Seats (Total: 54)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH403 **Architecture Studio IV**

ARCH403 Architecture Studio IV; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH402 with a grade of C- or better. For ARCH majors only. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical. Restricted to ARCH majors.

0101	Luis Diego Quiros Pacheco	Seats (Total: 56)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH405 **Graduate Architecture Design Studio II**

ARCH405 Graduate Architecture Design Studio II; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH404 with a grade of C- or better. For Master of Architecture majors only. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered spring only.

0101	Hooman Koliji	Seats (Total: 12)	
	MWF 2:00pm - 6:00pm	Location: TBA	

ARCH407 **Graduate Architecture Design IV**

ARCH407 Graduate Architecture Design IV; (6 credits) Grade Method: REG/AUD. *Prerequisite: ARCH406 with a grade of C- or better. For Master of Architecture majors only.* Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high-density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit Oriented Development, density, sustainable development, building typology, and street design.

0101	George Hartman MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA

ARCH411 **Technology II**

ARCH411 Technology II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH410. Corequisite: ARCH401. For ARCH majors only.* Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling. Restricted to ARCH majors.

0101	Powell Draper TuTh 10:30am - 12:15pm	Seats (Total: 66) ARC 0204

ARCH413 **Architecture Technology IV**

ARCH413 Architecture Technology IV; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH412. Corequisite: ARCH403. For ARCH majors only.* Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems. Restricted to ARCH majors.

0101	Raj Barr-Kumar Tu 2:00pm - 3:15pm Th 2:00pm - 4:15pm	Seats (Total: 66) JMZ 0105 JMZ 0105

ARCH420 **History of American Architecture**

ARCH420 History of American Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. American architecture from the late 17th to the 21st century.

0101	Isabelle Gournay	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	ARC 1101

ARCH422 **History of Greek Architecture**

ARCH422 History of Greek Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. Survey of Greek architecture from 750-100 B.C.

0101	Robert Vann	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ARC 1103

ARCH427 **Theories of Architecture**

ARCH427 Theories of Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH426 or permission of department. For ARCH majors only. Selected historical and modern theories of architectural design. Restricted to ARCH, URPD or ARCP majors.

0101	Garth Rockcastle	Seats (Total: 12)
	Th 2:00pm - 4:50pm	ARC 1121
	Section 0101 is for 3 1/2 year graduate students only.	

ARCH428B **Selected Topics in Architectural History; History of British Architecture, Urbanism and Landscape**
Contact department for information to register for this course.

ARCH428J **Selected Topics in Architectural History; History of Japanese Architecture**

ARCH428J Selected Topics in Architectural History: History of Japanese Architecture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Vann	Seats (Total: 10)
	Tu 7:30pm - 10:00pm	ARC 1123

ARCH445 **Visual Analysis of Architecture**

ARCH445 *(PermReq)* **Visual Analysis of Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only. Study of visual principles of architectural and urban precedents through graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning.

0101	Devin Kimmel	Seats (Total: 25)	
	M 10:00am - 10:50am	ARC 1105	
	W 10:00am - 11:50am	ARC 1105	Discussion

ARCH460 **Site Analysis and Design**

ARCH460 *(PermReq)* **Site Analysis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only. Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Hooman Koliji	Seats (Total: 35)
	Tu 4:00pm - 7:00pm	ARC 1105

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only. Introduction to computer utilization, with emphasis on architectural applications. Restricted to ARCH majors.

0101	Farzam Yazdanseta	Seats (Total: 19)
	TuTh 2:00pm - 3:50pm	ARC 1115

ARCH478C **Selected Topics in Architecture; Careers in Architecture**

ARCH478C *(PermReq)* **Selected Topics in Architecture: Careers in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARCH majors.

0101	Albert Rubeling	Seats (Total: 19)
	Tu 4:00pm - 6:30pm	ARC 1123

ARCH478Q **Selected Topics in Architecture; Bridge Design**

ARCH478Q Selected Topics in Architecture: Bridge Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Powell Draper	Seats (Total: 15)
	Th 7:00pm - 10:00pm	ARC 1105

ARCH601 **Topical Studio**

ARCH601 Topical Studio; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 600. For ARCH majors only. Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity. Restricted to ARCH, URPD or ARCP majors.

0101	Garth Rockcastle	Seats (Total: 27)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH628B **Selected Topics in Architectural History; Housing Seminar**

ARCH628B *(PermReq)* **Selected Topics in Architectural History: Housing Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Isabelle Gournay	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 1121

ARCH628J **Selected Topics in Architectural History; History of Japanese Architecture**

ARCH628J Selected Topics in Architectural History: History of Japanese Architecture; (3 credits) Grade Method: REG/AUD.

0101	Robert Vann Tu 7:30pm - 10:00pm	Seats (Total: 10) ARC 1123

ARCH635 **Seminar in the History of Modern Architecture**

ARCH635 Seminar in the History of Modern Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 427 or permission of department. Advanced investigation of historical problems in modern architecture.

0101	Emily Pugh M 7:00pm - 9:30pm	Seats (Total: 19) ARC 1121

ARCH655 **Urban Design Seminar**

ARCH655 Urban Design Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH654 or permission of department. Credit will be granted for only one of the following: ARCH451 or ARCH655. Formerly ARCH451. Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

0101	Matthew Bell, Brian Kelly Th 7:00pm - 10:00pm	Seats (Total: 12) ARC 1121

ARCH670 **Advance Comprehensive Computer Technology in Architecture**

ARCH670 Advance Comprehensive Computer Technology in Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 403 and ARCH 470 or equivalent. Credit will be granted for only one of the following: ARCH 678C or ARCH 670. Formerly ARCH678C.
Comprehensive use of computer technology in the design process. Use of digital versus analog modeling to study design alternatives. Methods of representation to best convey concepts and integration of technology.

0101	Michael Ambrose Tu 7:00pm - 9:30pm	Seats (Total: 15) ARC 1115

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH678Q **Selected Topics in Architecture; Bridge Design**

ARCH678Q Selected Topics in Architecture: Bridge Design; (3 credits) Grade Method: REG/AUD.

0101	Powell Draper Th 7:00pm - 10:00pm	Seats (Total: 15) ARC 1105

ARCH679 **Independent Studies in Architecture**

ARCH679 Independent Studies in Architecture; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 601. Directed research and preparation of thesis program.
Restricted to ARCH, or ARCP majors.

0101	Ralph Bennett W 8:30am - 11:20am	Seats (Total: 15) ARC 1121

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Restricted to ARCH, or ARCP majors. Prerequisite: ARCH 797

0101	Brian Kelly Tu 2:00pm - 6:00pm	Seats (Total: 15) ARC 1121
0201	Brian Kelly Th 2:00pm - 6:00pm	Seats (Total: 10) ARC 1101

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Spring 2012

AREC200 **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

AREC200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.

A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Douglas Lipton MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 CHE 2118	 Discussion

0102	Douglas Lipton MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 PLS 1111	Discussion
0103	Douglas Lipton MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 35) SHM 2102 CHE 2118	Discussion
0104	Douglas Lipton MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 35) SHM 2102 PLS 1111	Discussion

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Roberton Williams TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) PLS 1140 HBK 0103	Discussion
0102	Roberton Williams TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) PLS 1140 HBK 0103	Discussion

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Howard Leathers MWF 11:00am - 11:50am	Seats (Total: 286) PHY 1412	

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH111/STAT100 or equivalent; and ECON200/AREC240/AREC250 or equivalent. Credit will be granted for only one of the following: AREC182 or AREC382. Formerly AREC182. Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Anna Alberini	Seats (Total: 30)
	MW 1:00pm - 2:15pm	PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

3103	Kenneth Leonard	Seats (Total: 5)
	Contact instructor or department for details.	
3104	Ramon Lopez	Seats (Total: 5)
	Contact instructor or department for details.	

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC404 **Applied Price Analysis**

AREC404 Applied Price Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* An introduction to the economic analysis of price behavior, with applications to agricultural commodities. The use of price information in the decision-making process, the relation and supply and demand in determining price, and the relation of prices to grade, time, location, and stages of processing in the marketing system.

0101	Ramon Lopez	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	SYM 0215

AREC405 **Economics of Production**

AREC405 Economics of Production; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03). Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* The use and application of production economics in analysis of firm and policy decisions. Production functions, cost functions, multiple product and joint production, and production processes through time.

0101	Robert Chambers	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	HBK 0115

AREC427 **Economics of Commodity Marketing Systems**

AREC427 Economics of Commodity Marketing Systems; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

0101	Howard Leathers	Seats (Total: 30)
	MWF 10:00am - 10:50am	CHM 1228

AREC435 **Commodity Futures and Options**

AREC435 Commodity Futures and Options; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03). Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent; and BMGT230, ECON321 or equivalent. The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

0101	James Hanson	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	TWS 1100

AREC445 **Agricultural Development, Population Growth and the Environment**

AREC445 Agricultural Development, Population Growth and the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: ECON306, ECON326 or equivalent. Development theories, the role of agriculture in economic development, the agricultural policy environment, policies impacting on rural income and equity, environmental impacts of agricultural development.

0101	Marc Nerlove	Seats (Total: 28)	
	TuTh 11:00am - 12:15pm	SYM 0209	

AREC610 **Microeconomic Applications in Agricultural and Resource Markets**

AREC610 Microeconomic Applications in Agricultural and Resource Markets; (3 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week.
Prerequisite: ECON 603. Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, farm labor issues, land rental and acquisition, and exploitation of natural resources.

0101	Robert Chambers	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	SYM 0209	
	Contact instructor or department for details.		

AREC624 **Applied Econometrics II**

AREC624 Applied Econometrics II; (4 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Variations of the standard linear model and simultaneous equations estimation. Application of econometric tools including nonlinear regression, nonlinear simultaneous equations estimation, qualitative econometric models including logit, probit, and tobit models, varying parameters models, unobserved variables, time series models, and model selection procedures.

0101	Richard Just, Anna Alberini	Seats (Total: 30)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 0215	Discussion

AREC645 **Environment and Development Economics**

AREC645 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 845. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC845 **Environment and Development Economics**

AREC845 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 645. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC869K **Advanced Topics in Agricultural Economics; Introduction to Prospectus Writing II**

AREC869K Advanced Topics in Agricultural Economics: Introduction to Prospectus Writing II; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 22)
	Contact instructor or department for details.	

AREC869W **Advanced Topics in Agricultural Economics; Environmental Taxation and Regulation**

AREC869W Advanced Topics in Agricultural Economics: Environmental Taxation and Regulation; (3 credits) Grade Method: REG/AUD.

0101	Roberton Williams	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HBK 1108

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Spring 2012

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
Contact department for information to register for this course.

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. For ARHU majors only.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU318A **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

ARHU318A *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Poetry Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers' House Students.

0101	Zein El-Amine	Seats (Total: 15)
	W 5:00pm - 6:30pm	DOR 0128

ARHU318B **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

ARHU318B *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Prose Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers' House Students

0101	Jesse Freeman	Seats (Total: 15)
	W 7:00pm - 8:30pm	DOR 0128

ARHU318C **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318C *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
Restricted to Jimenez-Porter Writers' House Students

0101	Eva Freeman	Seats (Total: 15)
	F 2:00pm - 3:30pm	DOR 0128

ARHU319A **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

ARHU319A *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing: Writing for Publication; (3 credits)** Grade Method: REG.

Restricted to Jimenez-Porter Writer's House students.

0101	Johnna Schmidt M 3:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128
0201	Johnna Schmidt F 2:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0113

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 2)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.

Prerequisite: permission of the College of Arts and Humanities. Junior standing.

0201	Paula Nadler Contact instructor or department for details.	Seats (Total: 20)

ARHU390H **Cross-Cultural Perspectives on Quality**

ARHU390H Cross-Cultural Perspectives on Quality; (3 credits) Grade Method: REG/P-F/AUD.

Third course in sequence of four courses restricted to students in the Quest Program. Examines strategic quality management in a globalized setting with emphasis on cross-cultural communication and culturally influenced perception of quality. One of four courses in the QUEST curriculum. Restricted to students in the QUEST Honors Program.

0101	David Ashley	Seats (Total: 35)
	Tu 5:00pm - 7:40pm	VMH 1330

ARHU468 **Peer Mentoring Program**

ARHU468 *(PermReq)* **Peer Mentoring Program; (1 credit)** Grade Method: REG. Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor. Application deadline: November 10, 2011. Click here for more information.

0101	J Greene	Seats (Total: 50)
	M 4:00pm - 5:30pm	KEY 0103

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F.
No more than 12 credits of internship can count toward a degree. Prerequisite: 60 or more credits completed (12 credits at U of MD), 2.5 GPA, have completed previous internship at U of MD; and permission of department (ARHU Internship Coordinator). For ARHU majors only. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: One semester of full-time graduate study. By permission of student's department. Students must be in good standing and demonstrate satisfactory progress toward degree. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Spring 2012

ARMY102 **Basic Military Science II**

ARMY102 Basic Military Science II; (1 credit) Grade Method: REG/P-F/AUD.
The continuation of the exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie.

0101	Samuel Cook	Seats (Total: 40)	
	W 1:00pm - 1:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0100	Lab

ARMY104 **Basic Army Physical Fitness II**

ARMY104 Basic Army Physical Fitness II; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY102. This course expands knowledge and proficiency in Basic Army Physical Fitness. Through a continued progressive, rigorous workouts, students improve individual fitness levels to exceed the Army Physical Fitness Test requirements. Course content also continues exploration of managerial skills and basic military tactics and techniques.

0101	Samuel Cook	Seats (Total: 100)	
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY202 **Military Leadership in Practice**

ARMY202 Military Leadership in Practice; (3 credits) Grade Method: REG/P-F/AUD.

Recommended: ARMY201. Sophomore standing. This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0102	Terrence McCall	Seats (Total: 40)	
	Tu 2:00pm - 3:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY302 **Advanced Military Leadership II**

ARMY302 Advanced Military Leadership II; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of Army ROTC. Junior standing. Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

0101	Terrence McCall	Seats (Total: 40)	
	Tu 3:30pm - 6:45pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY402 **Advanced Military Leadership IV**

ARMY402 Advanced Military Leadership IV; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of Army ROTC. Senior standing. The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

0101	Samuel Cook	Seats (Total: 30)	
	MW 1:00pm - 2:30pm	COL 0102	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARSC Air Science Spring 2012

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Vaughn Gonzalez	Seats (Total: 250)
	Th 7:00am - 8:50am	COL 3109

ARSC101 **The USAF Today II**

ARSC101 The USAF Today II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059. Freshman course for AFROTC. Continuation of ARSC100 for freshmen AFROTC cadets. Study of topics relating to the Air Forces and defense. Focuses on organizational structure and missions of the Air Force; officership and an introduction to both written and oral communication skills.

0101	Jennifer Titkemeier	Seats (Total: 18)
	Tu 9:00am - 9:50am	COL 2126
0102	Jennifer Titkemeier	Seats (Total: 50)
	Th 9:00am - 9:50am	COL 0101
0103	Jennifer Titkemeier	Seats (Total: 18)
	Th 12:00pm - 12:50pm	COL 2126

ARSC201 **The Development of Air Power II**

ARSC201 The Development of Air Power II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059 and have taken ARSC200. Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior.

0101	Dan Shaltanis Th 10:00am - 10:50am	Seats (Total: 49) COL 0101
0103	Robert Pecoraro Tu 8:00am - 8:50am	Seats (Total: 25) COL 2126

ARSC301 **Management and Leadership II**

ARSC301 *(PermReq)* **Management and Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
Open to all University students. Corequisite: ARSC059 or permission of department (applies only to cadets). Junior standing. Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers. This course will satisfy credit towards a minor in military studies.

0101	Vaughn Gonzalez Th 9:00am - 12:00pm	Seats (Total: 25) COL 0102
0102	Vaughn Gonzalez Th 12:30pm - 2:00pm Tu 12:30pm - 2:00pm	Seats (Total: 20) COL 0113 COL 0100

ARSC399 **Independent Study in Air and Space Power Implementation**

ARSC399 Independent Study in Air and Space Power Implementation; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Jennifer Titkemeier Contact instructor or department for details.	Seats (Total: 10)

ARSC401 **National Security Forces in Contemporary American Society II**

ARSC401 *(PermReq)* **National Security Forces in Contemporary American Society II; (3 credits)** Grade Method: REG/P-F/AUD.
Open to all University students. Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department (corequisite applies to only cadets). Senior standing. This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism. This course will satisfy credit towards a minor in military studies.

0101	Thomas Sadiq Th 9:00am - 12:00pm	Seats (Total: 18) COL 2126	
0102	Thomas Sadiq TuTh 2:00pm - 3:30pm	Seats (Total: 18) COL 2126	

ARTH Art History & Archaeology Spring 2012

ARTH169B **Special Topics in Study Abroad I; Arts of Modernity**
Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**
Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Louise Martinez TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Louise Martinez TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	 Discussion
0103	Louise Martinez TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	 Discussion
0104	Louise Martinez TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion

0105	Louise Martinez TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0106	Louise Martinez TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 32) ASY 2203 ASY 3207	Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

ARTH201 Art and Society in the West from the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Steven Mansbach MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Steven Mansbach MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 26) ASY 2203 ASY 3215	Discussion
0103	Steven Mansbach MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Steven Mansbach MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0105	Steven Mansbach MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0106	Steven Mansbach MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH250 **Art and Society in the Ancient American World**

ARTH250 Art and Society in the Ancient American World; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Surveys major arts and architecture of the pre-Columbian world, including Mesoamerican and Andean cultures from the earliest known civilizations through European contact and conquest. Acquaints students with the monumental architecture, urban planning, painting, sculpture, and portable arts of the ancient Americas.

0101	Beryl Bland MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Beryl Bland MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0103	Beryl Bland MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0104	Beryl Bland MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0105	Beryl Bland MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0106	Beryl Bland MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH269P **Special Topics in Study Abroad II**
Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTH269W **Special Topics in Study Abroad II; Survey of Art II: European/Western Art**
Contact department for information to register for this course.

ARTH275 **Art and Society in Africa**

ARTH275 Art and Society in Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A comparative study of art and material culture from various regions of the African continent. Looking across ethnic and national boundaries, considers the many relevant political, social, and religious contexts.

0101	Shannen Hill MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0102	Shannen Hill MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3203	Discussion
0103	Shannen Hill MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Shannen Hill MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Shannen Hill MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0106	Shannen Hill MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

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ARTH290 **Art and Society in Asia**

ARTH290 Art and Society in Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

0101	Jason Kuo TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0102	Jason Kuo TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0103	Jason Kuo TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Jason Kuo TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Jason Kuo TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Jason Kuo TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3211	Discussion

ARTH300 **Egyptian Art and Archaeology**
Contact department for information to register for this course.

ARTH320 **Fourteenth and Fifteenth-Century Northern European Art**

ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits)
Grade Method: REG/P-F/AUD.
The art of northern Europe with an emphasis on painting in the Netherlands and France.

0101	Louise Martinez TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3215

ARTH324 **Sixteenth-Century Italian Renaissance Art**

ARTH324 Sixteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and the decorative arts of the sixteenth century in Italy.

0101	Meredith Gill TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0101	Anthony Colantuono TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3215

ARTH335 **Seventeenth-Century Art in the Netherlands**

ARTH335 Seventeenth-Century Art in the Netherlands; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in seventeenth-century Netherlands.

0101	Aneta Georgievska-Shine M 3:00pm - 5:30pm	Seats (Total: 30) ASY 3215

ARTH346 **Nineteenth-Century European Art from 1850**

ARTH346 Nineteenth-Century European Art from 1850; (3 credits) Grade Method: REG/P-F/AUD.
The major trends from Realism through Impressionism to Symbolism and Art Nouveau, in painting, sculpture, and architecture.

0101	June Hargrove TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211

ARTH360 **History of American Art to 1876**

ARTH360 History of American Art to 1876; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and decorative arts in North America from the colonial period to 1876.

0101	Renee Ater TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3219

ARTH369B **Special Topics in Study Abroad III; Bernini**
Contact department for information to register for this course.

ARTH369G **Special Topics in Study Abroad III; Art Gallery Management**
Contact department for information to register for this course.

ARTH369I **Special Topics in Study Abroad III; Indian Art and Architecture**
Contact department for information to register for this course.

ARTH370 **Latin American Art and Archaeology before 1500**

ARTH370 Latin American Art and Archaeology before 1500; (3 credits) Grade Method: REG/P-F/AUD.
Pre-Hispanic painting, sculpture, and architecture, with a focus on the major archaeological monuments of Mexico.

0101	Beryl Bland W 2:00pm - 4:30pm	Seats (Total: 30) ASY 3215

ARTH382 **Art of Japan before 1500**

ARTH382 Art of Japan before 1500; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTH290. Not open to students who have completed ARTH384. Credit will be granted for only one of the following: ARTH382 or ARTH384. Formerly ARTH384.* Thematically-focused topics in painting, sculpture, architecture and decorative arts of early and medieval Japan, from 5000 BC to 1500 AD.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3215

ARTH386 **Experiential Learning**

ARTH386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department. Junior standing.*

Contact department for information to register for this course.

ARTH389A **Special Topics in Art History and Archaeology; Film Noir Style**

ARTH389A Special Topics in Art History and Archaeology: Film Noir Style; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf	Seats (Total: 30)
	W 3:00pm - 6:30pm	SQH 1117

ARTH389L **Special Topics in Art History and Archaeology; Latin American and Latino Art since 1945**

ARTH389L Special Topics in Art History and Archaeology: Latin American and Latino Art since 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Abigail McEwen	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3211

ARTH389Z **Special Topics in Art History and Archaeology; Jewish Art in the 20th Century**
Contact department for information to register for this course.

ARTH465 **The Landscape in Modern and Contemporary Art**

ARTH465 The Landscape in Modern and Contemporary Art; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201. Credit will be granted for only one of the following: ARTH465 or (ARTH489B taken in Spring 2008 or Spring 2009). Formerly ARTH489B. A consideration of the representations of outdoor spaces since 1850. Focuses on the ways in which artists have understood and tried to make sense of modern and postmodern cities, suburbs, and rural areas.

0101	Joshua Shannon	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3211

ARTH466 **Feminist Perspectives on Women in Art**

ARTH466 Feminist Perspectives on Women in Art; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498B. Credit will be granted for only one of the following: ARTH466 or WMST498B. Principal focus on European and American women artists of the 19th and 20th centuries, in the context of the new scholarship on women.

0101	Renee Ater	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3215

ARTH488B **Colloquium in Art History; Religious Arts of Japan**

ARTH488B *(PermReq)* **Colloquium in Art History: Religious Arts of Japan; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Yui Suzuki	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH488E **Colloquium in Art History; Art and Science in 19th-Century Europe**

ARTH488E Colloquium in Art History: Art and Science in 19th-Century Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201.

0101	June Hargrove	Seats (Total: 12)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488F **Colloquium in Art History; Transnational Chinese Film and Visual Culture: Border Crossing**

ARTH488F Colloquium in Art History: Transnational Chinese Film and Visual Culture: Border Crossing; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 12)
	TuTh 12:30pm - 1:45pm	HBK 0302J

ARTH488N **Colloquium in Art History; Cherry Blossoms and Samurai: Japanese Art in America**

ARTH488N Colloquium in Art History: Cherry Blossoms and Samurai: Japanese Art in America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alicia Volk	Seats (Total: 10)
	Th 3:15pm - 5:45pm	ASY 4304

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH496 **Methods of Art History and Archaeology**

ARTH496 *(PermReq)* **Methods of Art History and Archaeology; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For ARTH majors only. Methods of research and criticism applied to typical art-historical/ archaeological problems, familiarizing the student with bibliography and other research tools. Introduction to the historiography of art history and archaeology, surveying the principal theories, encouraging methodological debates within the discipline. Course for majors who intend to go on to graduate school.

0101	Aneta Georgievska-Shine	Seats (Total: 10)
	W 3:00pm - 5:30pm	ASY 4306

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH738 **Seminar in Seventeenth-Century Southern European Art**

ARTH738 *(PermReq)* **Seminar in Seventeenth-Century Southern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Anthony Colantuono Tu 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 *(PermReq)* **Seminar in Seventeenth-Century Northern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 *(PermReq)* **Seminar in Twentieth-Century Art; (3 credits)** Grade Method: REG/AUD.

0101	Steven Mansbach W 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH768 **Seminar in Latin American Art and Archaeology**

ARTH768 *(PermReq)* **Seminar in Latin American Art and Archaeology; (3 credits)** Grade Method: REG/AUD.

0101	Abigail McEwen Tu 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH789 **Selected Topics in Art History**

ARTH789 *(PermReq)* **Selected Topics in Art History; (3 credits)** Grade Method: REG/AUD.

0101	Shannen Hill	Seats (Total: 8)
	M 12:00pm - 2:40pm	ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Spring 2012

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.

Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 studio lab fee.

0101	Lauren Boilini TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0201	Lauren Boilini TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0401	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0601	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0701	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0801	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
1001	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 Elements of Drawing I

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 studio lab fee.

0101	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Michael Booker TuTh 5:30pm - 8:00pm	Seats (Total: 15) ASY 2317	Lab
0401	Michael Booker TuTh 5:30pm - 8:00pm	Seats (Total: 15) ASY 2317	Lab
0501	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0601	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0701	David Knobel MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0801	David Knobel MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0901	Dawn Gavin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
1001	Dawn Gavin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Lillian Hoover MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 27) ASY 2309 ASY 3215	Discussion
0102	Lillian Hoover MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 27) ASY 2309 ASY 3219	Discussion
0103	Lillian Hoover MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 ASY 3211	Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 SKN 0104	Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 MTH 1308	Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 27) ASY 2309 ASY 3219	Discussion

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT100 and ARTT110. Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	Lab

0201	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1314	 Lab
0301	Felicia Glidden MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0401	Mark Earnhart MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 1311	 Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

0101	David Knobel TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	 Lab
0201	Emily Conover MW 9:00am - 11:30am	Seats (Total: 18) ASY 2315	 Lab
0301	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	 Lab
0401	Lauren Boilini TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	 Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.* Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 studio lab fee.

0101	Emily Conover MW 3:00pm - 5:30pm *This section uses acrylic paint only.*	Seats (Total: 20) ASY 3312	 Lab
0201	Lauren Boilini TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3318	 Lab

0301	Lillian Hoover	Seats (Total: 15)	
	MW 10:00am - 12:30pm	ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

0101	Steven Jones	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 studio lab fee.

0101	Jesse Burrowes	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 studio lab fee.

0101	Alexander Peace	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Concepts and fundamental processes related to silkscreen printing. Includes photographic processes. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 *(PermReq)* **Elements of Graphic Design and Illustration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. Students must pay a $40.00 studio lab fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2322	Lab

ARTT352 **Three Dimensional Graphics**

ARTT352 *(PermReq)* **Three Dimensional Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2322	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 studio lab fee. Click here for more course information.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0401	Lab
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to computer graphics, imaging, illustration and mixed media. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman MW 9:00am - 11:30am	Seats (Total: 14) ASY 3311E	Lab
0201	Narendra Ratnapala MW 9:00am - 11:30am	Seats (Total: 12) CSS 1410	Lab
0301	Narendra Ratnapala MW 9:00am - 11:30am	Seats (Total: 12) CSS 1410	Lab
0401	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab
0501	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab

ARTT361 **Design Literacy: Decoding Our Visual Culture**

ARTT361 Design Literacy: Decoding Our Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT355 and ARTT356. Credit will be granted for only one of the following: ARTT361 or ARTT489L. Formerly ARTT489L. Holistic presentation of design history and theory from pre-history to present. Covers primarily visual communication design and includes the interrelationship of interior-, furniture-, industrial-, fashion-design, and architecture.

0101	Ruth Lozner TuTh 3:00pm - 4:15pm	Seats (Total: 20) ASY 2322	

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418B **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

ARTT418B Advanced Drawing Studio: Advanced Drawing: Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200 and ARTT210; plus one 300-level studio course; or permission of Department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Adam Nelson MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab
0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0301	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab

ARTT418H **Advanced Drawing Studio; Honors Advanced Drawing**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Advanced Drawing; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; and permission of department. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	Lab
0301	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	Lab

ARTT428 **Advanced Painting Studio; Advanced Painting**

ARTT428 Advanced Painting Studio: Advanced Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3312	Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm *Emphasis on acrylic paint.*	Seats (Total: 18) ASY 3312	Lab
0301	Lillian Hoover MW 10:00am - 12:30pm	Seats (Total: 8) ASY 3318	Lab

ARTT428H **Advanced Painting Studio; Honors Advanced Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Advanced Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT320 and permission of department. Students must pay a $40.00 studio lab fee.

0101	Patrice Kehoe	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 3316	Lab
0201	Patrick Craig	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 3316	Lab

ARTT428X **Advanced Painting Studio**
Contact department for information to register for this course.

ARTT438A **Advanced Sculpture Studio; Advanced Metal Casting**

ARTT438A Advanced Sculpture Studio: Advanced Metal Casting; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

0101	Steven Jones	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT438B **Advanced Sculpture Studio; Advanced Steel Sculpture**

ARTT438B Advanced Sculpture Studio: Advanced Steel Sculpture; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

0101	Jesse Burrowes	Seats (Total: 6)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Advanced Sculpture in Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT333 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT438H **Advanced Sculpture Studio; Honors Advanced Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Advanced Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level sculpture course and permission of department. Students must pay a $40.00 lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab
0301	Instructor: TBA	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Advanced Intaglio**

ARTT448A Advanced Printmaking Studio: Advanced Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Alexander Peace	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448D **Advanced Printmaking Studio; Digital Processes**

ARTT448D Advanced Printmaking Studio: Digital Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and permission of Department. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 14)	
	TuTh 9:00am - 11:30am	ASY 1317	Lab

ARTT448E **Advanced Printmaking Studio; Advanced Screen Printing**

ARTT448E Advanced Printmaking Studio: Advanced Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab

ARTT448H **Advanced Printmaking Studio; Honors Advanced Printmaking**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors Advanced Printmaking; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level printmaking course and permission of department. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab
	Advanced Screen Printing.		
0301	Justin Strom	Seats (Total: 6)	
	TuTh 9:00am - 11:30am	ASY 1317	Lab
	Digital Processes.		
0501	Alexander Peace	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Darkroom Techniques**

ARTT449A *(PermReq)* **Advanced Photography Studio: Black and White Photography and Darkroom Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of department.Students must pay a $ 40.00 studio lab fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab

ARTT458 **Graphic Design Portfolio; Advanced Graphic Design**

ARTT458 *(PermReq)* **Graphic Design Portfolio: Advanced Graphic Design; (3 credits)** Grade Method: REG.
Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 12:30pm - 3:00pm	ASY 2322	Lab

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship Between Discourse and Practice**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship Between Discourse and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150 or permission of department.

0101	Aneta Georgievska-Shine	Seats (Total: 15)	
	Tu 4:00pm - 6:30pm	ASY 3215	

ARTT489F **Advanced Special Topics in Art; Explorations in Digital Photography**

ARTT489F Advanced Special Topics in Art: Explorations in Digital Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 and ARTT354. Students must pay a $40.00 studio lab fee. Digital camrera required.

0101	Sora Devore	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	CSS 1410	Lab
	Digital camera required.		

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F.
Prerequisite: ARTT354 or permission of instructor. Students must pay a $40.00 studio lab fee.

0101	Brandon Morse TuTh 3:00pm - 5:30pm	Seats (Total: 14) ASY 3311E	Lab
0201	Narendra Ratnapala TuTh 12:30pm - 3:00pm	Seats (Total: 14) ASY 3311E	Lab

ARTT489P **Advanced Special Topics in Art; Experimental Film and Video**
Contact department for information to register for this course.

ARTT489W **Advanced Special Topics in Art; Critical Theory of New Media**

ARTT489W Advanced Special Topics in Art: Critical Theory of New Media; (3 credits) Grade Method: REG/P-F/AUD.
Two hours of lecture and one hour of discussion/recitation per week. Prerequisite: ARTT150. An overview of the theories and issues in the fields of contemporary media, communications and visual culture and their implications in the context of contemporary art practice.

0101	Hasan Elahi Tu 6:00pm - 8:30pm	Seats (Total: 15) ASY 3217

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD.
Students must pay a $60.00 studio lab fee.

0101	Rex Weil	Seats (Total: 18)
	W 6:30pm - 8:10pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Spring 2012

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. CORE Physical Science Non-Laboratory (PS) Course. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe. Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

0101	Lee Mundy	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	PHY 1412	
	M 10:00am - 10:50am	CSS 2400	Discussion

0102	Lee Mundy TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0103	Lee Mundy TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0104	Lee Mundy TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0105	Lee Mundy TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0106	Lee Mundy TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

0206	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

0101	Grace Deming TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Grace Deming TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR121 **Introductory Astrophysics II - Stars and Beyond**

ASTR121 Introductory Astrophysics II - Stars and Beyond; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. *Prerequisites: MATH115 and ASTR120, or permission of department.* For students majoring in astronomy or with a strong interest in science. Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

0101	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion
0102	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 11:00am - 1:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion

ASTR220 **Collisions in Space - The Threat of Asteroid Impacts**

ASTR220 Collisions in Space - The Threat of Asteroid Impacts; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Worried? Can't sleep? Collisions in Space will evaluate the threat of asteroid impacts with the Earth using knowledge of asteroid characteristics and orbits. The merits of possible defense plans will be discussed, as well as the budgetary and political concerns associated with implementing any such plan.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288M **Special Projects in Astronomy; Current Events in Astronomy Research**

ASTR288M *(PermReq)* **Special Projects in Astronomy: Current Events in Astronomy Research; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Stuart Vogel M 4:00pm - 4:50pm	Seats (Total: 10) CSS 1248	

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences, or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	Rob Olling	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CSS 2428	

ASTR320 **Theoretical Astrophysics**

ASTR320 Theoretical Astrophysics; (3 credits) Grade Method: REG/P-F. *Prerequisite: ASTR121; {PHYS270 and PHYS271} or PHYS273; or permission of department.* Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

0101	Eve Ostriker	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	CSS 2428	
	M 2:00pm - 2:50pm	CSS 0201	Discussion

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics Mathematics and Sciences, or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation. Designed primarily for non-physical science majors. Junior standing.

0101	Alan Peel	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm	CSS 2400	

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and the Sciences, or permission of department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	RIchard Mushotzky	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Reggie Hudson	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR410 **Radio Astronomy**

ASTR410 Radio Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121; {PHYS270 and PHYS271} or PHYS273; or permission of department.* Introduction to current observational techniques in radio astronomy. The radio sky, radiophysics, coordinates and catalogs, antenna theory, Fourier transforms, interferometry and arrays, aperture synthesis, and radio detectors.

0101	Neal Miller	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSS 0201

ASTR430 **The Solar System**

ASTR430 The Solar System; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121; {PHYS270 and PHYS271} or PHYS273; or permission of department.* Formation and evolution of the Solar System. Planetary surfaces, interiors, atmospheres, and magnetospheres. Asteroids, comets, planetary satellites, and ring systems. Emphasis on using basic physics to understand observed properties of the Solar System. Intended for students majoring in the physical sciences.

0101	Douglas Hamilton	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSS 2416

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR606 **Stellar Structure and Evolution**

ASTR606 Stellar Structure and Evolution; (3 credits) Grade Method: REG/AUD. *Prerequisite: ASTR 601 or permission of department.* Models of stellar atmospheres, methods of determinins properties of stars, physical principles governing stellar interior processes, observational data for determining stellar evolution, nuclear processes, stellar modeling.

0101	Leo Deming	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR622 **Cosmology**

ASTR622 Cosmology; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: ASTR622 or ASTR688R. Formerly ASTR688R.* Introduction to modern cosmology. Topics include the large scale structure of the universe, cosmological models, the Big Bang, the cosmic microwave background, the nature of dark matter, and galaxy formation.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR688J **Special Topics in Modern Astronomy; Advances in Astroidal and Cometary Science**

ASTR688J Special Topics in Modern Astronomy: Advances in Astroidal and Cometary Science; (3 credits) Grade Method: REG/AUD.

0101	Jessica Sunshine	Seats (Total: 20)
	Contact instructor or department for details.	

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Spring 2012

BCHM461 **Biochemistry I**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie , e-mail oes@umd.edu, or call 301-405-7762.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C- or better is required in all prerequis ites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Vitali Tugarinov, Nicholas Corsepius TuTh 9:30am - 10:45am	Seats (Total: 160) CHM 1407
0102	Haiyun Lu, Nicole LaRonde TuTh 12:30pm - 1:45pm	Seats (Total: 130) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461. A grade of C- or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463. A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	Charles Mueller, Douglas Julin TuTh 3:30pm - 4:45pm	Seats (Total: 140) CHM 1407

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C- or better is required in all prerequis ites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	James Watson, Poorni Adikaram MWF 11:00am - 11:50am	Seats (Total: 130) CHM 1402	
SES1	Erik Lontok M 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 35) MCB 1207	

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C- or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 lab materials fee.

0101	James Watson Tu 12:30pm - 1:20pm Th 12:30pm - 5:20pm	Seats (Total: 18) PLS 1117 CHM 1119	 Lab
0102	James Watson Tu 12:30pm - 1:20pm W 1:00pm - 6:00pm	Seats (Total: 18) PLS 1117 CHM 1119	 Lab

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C- or better in the prerequisite is required for Life Science majors and recommended for all students. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie, Luigi Alvarado	Seats (Total: 80)
	MWF 12:00pm - 12:50pm	CHM 1402

BCHM485 **Physical Biochemistry**

BCHM485 Physical Biochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better is required in CHEM481. For BCHM majors only. Credit will be granted for only one of the following: CHEM482 or BCHM485. The application of physical chemistry to biological systems. Principal topics: statistical mechanics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

0101	Urszula Nowicka, David Fushman	Seats (Total: 53)
	TuTh 9:30am - 10:45am	CHM 2201

BCHM673 **Regulation of Metabolism**

BCHM673 Regulation of Metabolism; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM 462 or BCHM 463 or equivalent. Intracellular milieu, compartmentation, metabolic and enzymic approaches to identifying control points, regulation by covalent modification of enzymes, metabolic disorders.

0101	Jason Kahn	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PHY 0405

BCHM675 **Biophysical Chemistry**

BCHM675 Biophysical Chemistry; (3 credits) Grade Method: REG/AUD. *Prerequisites: BCHM 461 and CHEM 481 or equivalent.* Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

0101	Dorothy Beckett	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHM 1224

BCHM676 **Biological Mass Spectrometry**

BCHM676 Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD. *Prerequisite: BCHM461 or BCHM463. Formerly BCHM669B.* Fundamentals of modern mass spectrometry and use with biochemical techniques to provide unique analyses of drug metabolites, lipids, carbohydrates, nucleotides and proteins. The interface with bioinformatics will be examined, which provides the foundation of proteomics. Also offered as BIOE689B and CHEM699A.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BCHM698 **Literature Seminar in Biochemistry**

BCHM698 Literature Seminar in Biochemistry; (1 credit) Grade Method: REG.

0101	Dorothy Beckett	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Paukstelis	Seats (Total: 35)
	Tu 11:00am - 11:50am	Location: TBA

BCHM889B **Seminar**

BCHM889B Seminar; (1-3 credits) Grade Method: REG/AUD.
Formerly: BCHM889H.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology of Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology of Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889F **Seminar; Bacterial Spores**

BCHM889F *(PermReq)* **Seminar: Bacterial Spores; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889G **Seminar; Biological Mass Spectrometry**

BCHM889G *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1 credit) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Spring 2012

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Ganesh Sriram	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	KEB 1110
0102	Idalis Villanueva	Seats (Total: 75)
	MW 2:00pm - 3:15pm	CSS 2324

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Idalis Villanueva M 10:00am - 10:50am W 10:00am - 11:30am	Seats (Total: 18) JMP 3201 CHE 1145	Lab
0102	Idalis Villanueva M 10:00am - 10:50am W 1:00pm - 2:30pm	Seats (Total: 18) JMP 3201 CHE 1145	Lab
0103	Idalis Villanueva M 10:00am - 10:50am F 10:00am - 11:30am	Seats (Total: 18) JMP 3201 CHE 1145	Lab
0104	Idalis Villanueva M 10:00am - 10:50am F 1:00pm - 2:30pm	Seats (Total: 18) JMP 3201 CHE 1145	Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.
Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller TuTh 3:30pm - 4:45pm	Seats (Total: 30) BPS 0283	

BIOE232 **Bioengineering Thermodynamics**

BIOE232 *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and PHYS261. For BIOE majors only. Credit will be granted for only one of the following: BIOE232, ENES232, ENME232 or ENME320. A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Keith Herold TuTh 12:30pm - 1:45pm F 9:00am - 10:50am	Seats (Total: 30) BPS 1243 PLS 1119	 Discussion
0102	Keith Herold TuTh 12:30pm - 1:45pm F 11:00am - 12:50pm	Seats (Total: 30) BPS 1243 HBK 0115	 Discussion
0201	Gregory Payne TuTh 11:00am - 12:15pm F 1:00pm - 2:50pm	Seats (Total: 60) CCC 1205 MCB 1207	 Discussion

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 35) KEB 2111	
0201	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 35) KEB 2111	

BIOE332 **Transport Process Design**

BIOE332 *(PermReq)* **Transport Process Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, MATH246, and permission of department. Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

0101	Jose Aranda-Espinoza TuTh 2:00pm - 3:15pm Tu 3:30pm - 4:20pm	Seats (Total: 40) SYM 0200 EGR 1104	 Lab
0102	Jose Aranda-Espinoza TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 40) SYM 0200 EGR 3106	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE411 **Tissue Engineering**

BIOE411 *(PermReq)* **Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: at least one biology course and MATH241. Recommended: BSCI330 and BIOE340. A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH468T and ENCHT648T.

0101	Idalis Villanueva TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301	

BIOE420 **Bioimaging**

BIOE420 *(PermReq)* **Bioimaging; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120, BIOE121, BIOE241, MATH246; and permission of department. For BIOE majors only.* Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen	Seats (Total: 80)
	TuTh 4:30pm - 5:45pm	CSS 2324

BIOE453 **Biomaterials**

BIOE453 *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120, BIOE121, BIOE241, CHEM231/CHEM232, MATH246; and permission of department. Corequisite: BIOE454. Also offered as ENMA425. Credit will be granted for only one of the following: ENBE453, BIOE453 or ENMA425. Formerly ENBE453.* Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

0101	Joonil Seog	Seats (Total: 85)
	TuTh 11:00am - 12:15pm	KEB 1110

BIOE454 **Biomaterials Laboratory**

BIOE454 *(PermReq)* **Biomaterials Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, MATH246, CHEM231/CHEM232; and permission of department. Corequisite: BIOE453. Recommended: ENES220. Hands-on experience with measurements of bulk and surface properties of biological materials, synthesis of hydrogel, surface patterning using soft lithography technique, and preparation of 3D agarose matrix of cell culture. The topics cover measurements of tensile strength, hardness, and impact strength of the biomaterials, swelling and transport behavior of hydrogel, patterning silicon substrate using self-assembled monolayer, and cell-biomaterials interactions in scaffold biomaterials.

0101	Joonil Seog Th 8:30am - 10:50am	Seats (Total: 45) KEB 1135	 Lab
0102	Joonil Seog Tu 8:30am - 10:50am	Seats (Total: 45) KEB 1135	 Lab

BIOE486 **Capstone Design II**

BIOE486 Capstone Design II; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: BIOE485 taken in the immediately preceding semester and permission of department. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE486 or ENBE486. Formerly ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE489C **Special Topics in Bioengineering; Biomechanics and Mechanobiology**

BIOE489C Special Topics in Bioengineering: Biomechanics and Mechanobiology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Adam Hsieh TuTh 2:00pm - 3:15pm	Seats (Total: 10) EGR 2103	

BIOE489F **Special Topics in Bioengineering; Feynman Lectures for Applications in Bioengineering**

BIOE489F *(PermReq)* **Special Topics in Bioengineering: Feynman Lectures for Applications in Bioengineering; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department and completed at least 90 credit hours.

0101	Benjamin Shapiro W 2:00pm - 4:30pm	Seats (Total: 15) EGR 1104	

BIOE602 **Cellular and Tissue Biomechanics**

BIOE602 Cellular and Tissue Biomechanics; (3 credits) Grade Method: REG/AUD. Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues. For BIOE majors only.

0101	Adam Hsieh TuTh 2:00pm - 3:15pm	Seats (Total: 15) EGR 2103
BI01	Adam Hsieh Class time/details on ELMs	Seats (Total: 15) ONLINE
	This section is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.	

BIOE606 **Laboratory Rotations II**

BIOE606 *(PermReq)* **Laboratory Rotations II; (1 credit)** Grade Method: REG/AUD. *For BIOE majors only.* Provide students with the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

0101	Peter Kofinas F 11:00am - 11:50am	Seats (Total: 15) Location: TBA

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD. For BIOE majors only.

0101	Silvia Muro F 11:00am - 11:50am	Seats (Total: 20) KEB 1200

BIOE611 **Advanced Tissue Engineering**

BIOE611 Advanced Tissue Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: At least one biology course and MATH241. Recommended: BSCI330 and BIOE340. Credit will be granted for only one of the following: BIOE611 or BIOE689T. Formerly BIOE689T.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	Idalis Villanueva TuTh 2:00pm - 3:15pm	Seats (Total: 6) SPH 1301

BIOE612 **Physiological Evaluation of Bioengineering Designs**

BIOE612 Physiological Evaluation of Bioengineering Designs; (3 credits) Grade Method: REG/AUD.
Bioengineering designs of biomaterials, biomedical devices, imaging and drug delivery agents, tissue engineering, prosthesis (among others), offer the opportunity to improve health care. This course is aimed at providing knowledge to lead bioengineering designs on the basis of biocompatibility and to provide tools to assess their patho-physiological impact in biological systems. For BIOE majors only.

0101	Silvia Muro TuTh 5:00pm - 6:15pm	Seats (Total: 20) EGR 2107
BI01	Silvia Muro Class time/details on ELMs *This section is restricted to Professional Master of Engineering or Gra uate Certificate of Engineering students.*	Seats (Total: 8) ONLINE

BIOE631 **Biosensor Techniques, Instrumentation, and Applications**

BIOE631 Biosensor Techniques, Instrumentation, and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as CHPH718Z. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z. Formerly BIOE689Z. A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 58) EGR 2103
BI01	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE
	This section is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.	

BIOE640 **Polymer Physics**

BIOE640 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Graduate course covering theoretical aspects of the behavior of polymeric materials. It covers statistical properties and thermodynamics of single chain and multichain systems.

0101	Mohamad Al-Sheikhly MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 1102

BIOE653 **Advanced Biomaterials**

BIOE653 Advanced Biomaterials; (3 credits) Grade Method: REG/AUD.
Examine the relationship between structure and function of biomaterials. Study physical properties of synthetic and natural biomaterials. Understand molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, and scaffold materials for tissue engineering will be covered.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 15) KEB 1110

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689B **Special Topics in Bioengineering; Biological Mass Spectrometry**

BIOE689B Special Topics in Bioengineering: Biological Mass Spectrometry; (3 credits) Grade Method: REG.
Also offered as BCHM676 and CHEM699A. Recommended that students have a m odest amount of formal biochemistry instruction.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BIOE689D **Special Topics in Bioengineering; Computational Molecular Bioengineering**

BIOE689D Special Topics in Bioengineering: Computational Molecular Bioengineering; (3 credits) Grade Method: REG.

0101	Silvina Matysiak	Seats (Total: 15)
	Tu 3:30pm - 4:45pm	EGR 3106
	Th 3:30pm - 4:45pm	CSS 3332

BIOE689F **Special Topics in Bioengineering; Feynman Lectures for Applications in Bioengineering**

BIOE689F Special Topics in Bioengineering: Feynman Lectures for Applications in Bioengineering; (3 credits) Grade Method: REG.

0101	Benjamin Shapiro	Seats (Total: 10)
	W 2:00pm - 4:30pm	EGR 1104

BIOE689G **Special Topics in Bioengineering; Fundamentals of Drug Delivery**

BIOE689G Special Topics in Bioengineering: Fundamentals of Drug Delivery; (3 credits) Grade Method: REG.

0101	Yihua Yu	Seats (Total: 15)
	TuTh 3:00pm - 4:50pm	ITV 1100

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Spring 2012

BIOL600 **Ethics in Scientific Research**

BIOL600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG. *Prerequisite: Completion of at least one year of graduate study. For LFSC majors only. Credit will be granted for only one of the following: BIOL 600 or ZOOL 600. Formerly ZOOL600.* Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as NACS600 and PSYC788B.

0101	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

BIOL608B **Biology Seminar; Seminar in Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Seminar in Behavior Ecology; (1 credit)** Grade Method: REG.

0101	Gerald Borgia Contact instructor or department for details.	Seats (Total: 10)

BIOL608F **Biology Seminar; Scientific Communication**

BIOL608F Biology Seminar: Scientific Communication; (2 credits) Grade Method: REG.

0101	William Higgins	Seats (Total: 20)
	Tu 3:00pm - 5:00pm	PLS 1158

BIOL608Q **Biology Seminar; Readings in Neurophysiology**

BIOL608Q *(PermReq)* **Biology Seminar: Readings in Neurophysiology; (1 credit)** Grade Method: REG.

0101	Patrick Kanold	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608T **Biology Seminar; Current Topics in Cortical Development**

BIOL608T Biology Seminar: Current Topics in Cortical Development; (2 credits) Grade Method: REG.

0101	Patrick Kanold	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL708A **Advanced Topics in Biology; Cell Biology**

BIOL708A Advanced Topics in Biology: Cell Biology; (3 credits) Grade Method: REG.

0101	Stephen Wolniak	Seats (Total: 8)
	TuTh 8:00am - 9:15am	PLS 1140

BIOL708C **Advanced Topics in Biology; Genomics of Sensory Systems**

BIOL708C Advanced Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG.
Prerequisites: BSCI 222 or permission of instructor. An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems and sensory ecology.

0101	Karen Carleton MW 2:00pm - 2:50pm	Seats (Total: 5) PLS 1117

BIOL708D **Advanced Topics in Biology; Behavioral Ecology**

BIOL708D Advanced Topics in Biology: BEHAVIORAL ECOLOGY; (3 credits) Grade Method: REG.

0101	Gerald Borgia TuTh 11:00am - 12:15pm	Seats (Total: 5) HBK 0109

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG.

0101	Avis Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 5) PLS 1113

BIOL708M **Advanced Topics in Biology; Mammalian Physiology**

BIOL708M Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Ricardo Araneda MWF 9:00am - 9:50am	Seats (Total: 20) PLS 1164

BIOL708O **Advanced Topics in Biology; Cell Biology from a Biophysical Perspective**

BIOL708O Advanced Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.

0101	Sergei Sukharev	Seats (Total: 4)	
	TuTh 3:30pm - 4:45pm	PLS 1180	

BIOL708P **Advanced Topics in Biology; Electronics for Biologists**

BIOL708P Advanced Topics in Biology: Electronics for Biologists; (2 credits) Grade Method: REG.

0101	Richard Payne	Seats (Total: 6)	
	M 2:00pm - 5:00pm	BPS 1245	

BIOL708R **Advanced Topics in Biology; Concepts in Plant and Animal Ecology**

BIOL708R Advanced Topics in Biology: Concepts in Plant and Animal Ecology; (3 credits) Grade Method: REG.

0101	Michele Dudash	Seats (Total: 20)	
	M 9:30am - 10:45am	BPS 0283	
	W 3:00pm - 4:15pm	BPS 1230	Discussion

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Spring 2012

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0105	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion

SG91	Christine Hakenkamp M 1:00pm - 2:30pm W 1:00pm - 1:50pm	Seats (Total: 35) BLD3 3219 BLD3 2211	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BIOM602 **Biostatistics II**

BIOM602 Biostatistics II; (4 credits) Grade Method: REG/AUD.
Prerequisites: BIOM 601 or (BIOM 402 and BIOM 405). Also offered as AGRO 804.
The principles of experimental design and analysis of variance and covariance.

0101	Bahram Momen TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 20) ANS 0422 ANS 0473	 Lab
0102	Bahram Momen TuTh 2:00pm - 3:15pm Th 3:30pm - 5:30pm	Seats (Total: 20) ANS 0422 ANS 0473	 Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM688E **Topics in Biometrics; Computational and Statistical Genomics**

BIOM688E Topics in Biometrics: Computational and Statistical Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Jiuzhou Song MW 4:00pm - 5:15pm	Seats (Total: 20) ANS 0402	

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Spring 2012

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH708O **Advanced Topics in Biophysics; Cell Biology from a Biphysical Perspective**

BIPH708O Advanced Topics in Biophysics: Cell Biology from a Biphysical Perspective; (3 credits) Grade Method: REG.

0101	Sergei Sukharev	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	PLS 1180

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Spring 2012

BMGT110 **Introduction to the Business Value Chain**

BMGT110 Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management. Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 250) VMH 1524
0201	Jeff Miller MW 9:30am - 10:45am	Seats (Total: 55) VMH 1336

BMGT198F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT198F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Smith School's Freshman Fellows program.

FP01	Hugh Turner **Meets January 25, 2012 - March 29, 2012** W 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP02	Hugh Turner **Meets January 25, 2012 - March 29, 2012** W 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP03	Richard Hutchins **Meets January 25, 2012 - March 29, 2012** M 9:30am - 10:45am	Seats (Total: 35) VMH 2203

FP04	Richard Hutchins **Meets January 25, 2012 - March 29, 2012** M 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP05	Hugh Turner **Meets February 15, 2012 - March 29, 2012** W 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203
FP06	Richard Hutchins **Meets January 25, 2012 - March 29, 2012** Tu 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP07	Richard Hutchins **Meets January 25, 2012 - March 29, 2012** Tu 3:30pm - 4:45pm	Seats (Total: 35) VMH 1330
FP08	Hugh Turner **Meets January 25, 2012 - March 29, 2012** Th 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP09	Hugh Turner **Meets January 25, 2012 - March 29, 2012** Th 3:30pm - 4:45pm	Seats (Total: 35) VMH 1330
FP10	Richard Hutchins **Meets January 25, 2012 - March 29, 2012** M 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Colin Linsley TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0102	Colin Linsley TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0103	Colin Linsley TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0104	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0105	Colin Linsley TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0106	Colin Linsley TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0201	Colin Linsley TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0202	Colin Linsley TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0203	Colin Linsley TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0204	Colin Linsley TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion

0205	Colin Linsley TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0206	Colin Linsley TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Gregory Pfeiffer TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0102	Gregory Pfeiffer TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0103	Gregory Pfeiffer TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0104	Gregory Pfeiffer TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0105	Gregory Pfeiffer TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0106	Gregory Pfeiffer TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion

0201	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0202	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0203	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0204	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0205	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0206	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0301	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0302	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0303	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0304	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1336	Discussion

0305	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1336	 Discussion
0306	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1336	 Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Michael Finch TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1415
0201	Michael Finch TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. *Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Radu Lazar MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1415	Discussion
0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1415	Discussion
0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 24) VMH 1524 VMH 1415	Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 28) VMH 1524 VMH 1415	Discussion
0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1524 VMH 1415	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 25) VMH 1524 VMH 1415	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 31) VMH 1524 VMH 1415	Discussion
0201	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 27) VMH 1524 VMH 1314	Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 VMH 1314	Discussion

0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 29) VMH 1524 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 32) VMH 1524 VMH 1418	Discussion

0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1418	 Discussion

BMGT230B **Business Statistics**

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Restricted to BMGT majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 8) VMH 1524 VMH 1415	 Discussion
0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 7) VMH 1524 VMH 1415	 Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 7) VMH 1524 VMH 1415	 Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 1) VMH 1524 Location: TBA	 Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 5) VMH 1524 VMH 1314	 Discussion

0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 3) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1418	Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Restricted to Honors students.

0101	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336	

BMGT230M **Business Statistics**

BMGT230M Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Restricted to Markets & Society students. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 4) VMH 1524 VMH 1415	 Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 2) VMH 1524 VMH 1314	 Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 7) VMH 1524 VMH 1314	 Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 0) VMH 1524 VMH 1418	 Discussion

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throw at You; (3 credits) Grade Method: REG.
CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jonathan Aberman MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1303	

BMGT289I **Why Good Managers Make Bad Decisions**

BMGT289I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jeff Miller MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 1212

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

0101	Brian Butler TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0201	Donald Riley TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0301	Katherine Stewart TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412

0401	Sivakumar Viswanathan TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0501	Barnet Corwin MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0601	Barnet Corwin MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
SG91	Keong Kim TuTh 9:30am - 10:45am *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230
SG92	Peter Weiss TuTh 11:00am - 12:15pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230
SG93	Peter Weiss TuTh 12:30pm - 1:45pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230

BMGT302 Developing Business Applications

BMGT302 Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of department. Not open to Computer Science majors and Computer Science majors will not receive credit. For BMGT majors only.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Peng Huang TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0201	Ilchul Yoon MW 3:30pm - 4:45pm Th 6:00pm - 6:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0301	Ilchul Yoon TuTh 12:30pm - 1:45pm Th 7:00pm - 7:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to Accounting and Finance majors with 53 credit hours completed.

0101	Hanna Lee MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1202
0201	Hanna Lee MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202
0301	Maryjane Rabier TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1330
0401	Lindsey Gallo TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310.

0101	Oliver Kim MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0201	Oliver Kim MW 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0301	Gary Bulmash TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0401	Leslie Mostow TuTh 9:30am - 10:45am *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1307
SG91	Leslie Mostow MW 9:30am - 10:45am *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220
SG92	Leslie Mostow MW 11:00am - 12:15pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Finance or Accounting majors with 53 credit hours completed.

0101	Progyan Basu MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
0201	Progyan Basu MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 1307

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Martin Loeb MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1307
0201	Shijun Cheng MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1307
0301	Gary Bulmash TuTh 8:00am - 9:15am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1303
SG91	Michael Finch MW 11:00am - 12:15pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4219
SG92	Michael Finch MW 12:30pm - 1:45pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4219

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered. Restricted to Accounting majors with 53 credit hours completed.

0101	Gregory Pfeiffer MW 12:30pm - 1:45pm	Seats (Total: 42) VMH 1412
0201	Gregory Pfeiffer MW 2:00pm - 3:15pm	Seats (Total: 42) VMH 1412
0301	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 42) VMH 1303

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221 and (BMGT301 or BMGT201). A study of accounting systems and computer and communications technology. Restricted to Accounting majors with 60 credit hours completed.

0101	Jodell Johnson MW 9:30am - 10:45am	Seats (Total: 42) VMH 1335
0201	Jodell Johnson MW 12:30pm - 1:45pm	Seats (Total: 42) VMH 1335
0301	Jodell Johnson MW 2:00pm - 3:15pm	Seats (Total: 42) VMH 1335
0401	Jodell Johnson MW 3:30pm - 4:45pm	Seats (Total: 42) VMH 1335

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Bruce Golden TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1336
0201	Kazim Ruhi TuTh 11:00am - 12:15pm	Seats (Total: 50) VMH 1336

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Interested students who don't meet restrictions should review their eligiblity for BMGT340N.

0101	David Kass TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1528
0201	David Kass MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1330
0501	Karen Hallows TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1333
0601	David Kass TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333

0701	David Kass TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
BL01	Susan White MW 2:00pm - 3:15pm *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*	Seats (Total: 50) VMH 1212
BL02	Susan White MW 3:30pm - 4:45pm *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*	Seats (Total: 60) VMH 1212

BMGT340F **Business Finance**

BMGT340F Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to students in the Smith School's Accelerated Finance Fellows Program.

FP01	Vojislav Maksimovic MW 9:30am - 10:45am	Seats (Total: 35) VMH 1202

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to Agricultural and Resource Economics majors (0111C) with 53 credit hours completed.

BL01	Susan White MW 2:00pm - 3:15pm	Seats (Total: 10) VMH 1212
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Michael Lee TuTh 9:30am - 10:45am	Seats (Total: 43) VMH 1303
0201	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 43) VMH 1303
0301	Michael Lee TuTh 2:00pm - 3:15pm	Seats (Total: 43) VMH 1303
0401	Michael Lee TuTh 3:30pm - 4:45pm	Seats (Total: 43) VMH 1307

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

0101	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330

0201	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0301	Roxanne Lefkoff MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0401	Roxanne Lefkoff MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1330
0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1528
0601	Henry Boyd TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1528
0701	Henry Boyd TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1528

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to Agricultural and Resource Economics (0111C) and Horticulture (0107C) majors with 53 credit hours completed.

0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 10) VMH 1528

BMGT352 **Customer-Centric Innovation**

BMGT352 Customer-Centric Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch. Restricted to BMGT majors with 60 credit hours completed.

0101	Yogesh Joshi TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 2203	

BMGT360 **Strategic Management of Human Capital**

BMGT360 Strategic Management of Human Capital; (3 credits) Grade Method: REG.

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety. Restricted to students with 53 credit hours completed.

0101	James Spina MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1411	Discussion
0102	James Spina MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1411	Discussion
0103	James Spina MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1411	Discussion
0104	James Spina MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1411	Discussion
0105	James Spina MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1411	Discussion
0106	James Spina MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1411	Discussion

BMGT362 **Labor Relations**

Contact department for information to register for this course.

BMGT363 **Leadership and Teamwork in Organizations**

BMGT363 Leadership and Teamwork in Organizations; (3 credits) Grade Method: REG.

Credit will be granted for only one of the following: BMGT363 or BMGT498D. Formerly BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

0101	Jose Suarez MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1418
SG91	Myeong-Gu Seo MW 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Management and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to BMGT majors with 53 credit hours completed. This course r equires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of approximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0101	Karen Wouters MW 9:30am - 10:45am	Seats (Total: 60) VMH 1528
0201	Karen Wouters MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1528

0301	Brady Firth MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1528
0401	Jose Suarez MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1528
0501	Jose Suarez MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1528
0601	Jennifer Armstrong TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1524
0701	Jennifer Armstrong TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1524

BMGT364H **Management and Organization Theory**

BMGT364H *(PermReq)* **Management and Organization Theory; (3 credits)** Grade Method: REG.
The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Mark Wellman TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.

The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to Agricultural and Resource Economics (0111C) and Dietetics (1307D) majors with 53 credit hours completed. This course requires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of appoximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0301	Brady Firth MW 12:30pm - 1:45pm	Seats (Total: 20) VMH 1528

BMGT365 **Entrepreneurial Finance and Private Equity**

BMGT365 Entrepreneurial Finance and Private Equity; (3 credits) Grade Method: REG.

Prerequisite: BMGT361 or BMGT461. Junior standing. Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest. Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Andrew Sherman Tu 5:15pm - 7:55pm	Seats (Total: 40) BLD3 4212

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 116) VMH 1528
0201	Tricia Giacone Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528

BMGT367F **Career Search Strategies in Business**

BMGT367F Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to students in the Smith School's Freshman Fellows Program.

FP01	Wanda Lucas W 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP02	Nina Maggio M 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP03	Susan Powell Th 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP04	Daniel O'Brien Tu 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP05	Wanda Lucas W 5:00pm - 5:50pm	Seats (Total: 38) VMH 1518

FP06	Michael Poerksen Th 5:00pm - 5:50pm	Seats (Total: 38) VMH 1518

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT students with 53 credit hours completed.

0101	Curtis Grimm TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1202
0201	Curtis Grimm TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits) Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

0101	Leland Gardner TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1206

0201	Hugh Turner TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1206
0301	Jeff Miller MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1411
0401	Jeff Miller MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
0501	Jeff Miller MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
SG91	Anupam Kumar MW 9:30am - 10:45am *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4216
SG92	William McAdam MW 11:00am - 12:15pm *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space avaiable basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4216

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.

0101	Burt Leete MW 9:30am - 10:45am	Seats (Total: 60) VMH 1333

0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 50) VMH 1333
0301	Richard Daniels MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
0401	T Anenson TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	T Anenson TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0601	T Anenson TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1330

BMGT380H **Business Law I**

BMGT380H *(PermReq)* **Business Law I; (3 credits)** Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT Honors students with 53 credit hours completed.

0101	William McClenahan MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1418

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to Agricultural and Resource Economics (0111C) majors with 53 credit hours completed.

0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 10) VMH 1333

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Kazim Ruhi MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1303
0201	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1303

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly BMGT498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez	Seats (Total: 40)
	MW 11:00am - 12:15pm	VMH 1418

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

0201	Vinod Jain	Seats (Total: 45)
	MW 11:00am - 12:15pm	VMH 1336
	Restricted to BMGT majors with 53 credit hours completed.	
SG91	Koki Nagata	Seats (Total: 50)
	MW 9:30am - 10:45am	BLD3 4215
	Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Koki Nagata	Seats (Total: 50)
	MW 11:00am - 12:15pm	BLD3 4215
	Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

BMGT398A *(PermReq)* **Individual Study in Business and Management: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Smith School of Business students. Interested students sho uld contact Rachel Loock (rloock@rhsmith.umd.edu) for details and permis sion. Click here for more course information.

0101	Jeffrey Kudisch, Rachel Loock, Ashlee Kerkhoff Contact instructor or department for details.	Seats (Total: 20)
SG91	Ashlee Kerkhoff, Jeffrey Kudisch, Rachel Loock Contact instructor or department for details.	Seats (Total: 6)

BMGT398Q **Individual Study in Business and Management; Quantitative Finance Applications**

BMGT398Q Individual Study in Business and Management: Quantitative Finance Applications; (1 credit) Grade Method: REG/P-F.
Restricted to students in Smith School's Quantitative Finance Fellows program.

FP01	Charles LaHaie F 2:00pm - 5:00pm	Seats (Total: 35) VMH 3505

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined.
Restricted to BMGT majors with 72 credit hours completed.

0201	Ilchul Yoon TuTh 9:30am - 10:45am Th 5:00pm - 5:50pm	Seats (Total: 35) VMH 1311 VMH 1311	 Lab

BMGT402F **Database Systems**

BMGT402F Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined. Restricted to students in the Technology and Business Transformation Fel lows (FPTT).

FP01	Louiqa Raschid	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	VMH 1311	
	Th 6:00pm - 6:50pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 40)
	MW 12:30pm - 1:45pm	VMH 1311
0201	Peter Weiss	Seats (Total: 40)
	Tu 7:00pm - 9:40pm	VMH 1518

BMGT405 **Business Telecommunications**

BMGT405 Business Telecommunications; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Concepts of business data communications and data processing. Application of these ideas in computer networks, including basic principles of telecommunications technology, computer network technology, data management in distributed database systems and management of the technical and functional components of telecommunications technology. Restricted to BMGT majors with 72 credit hours completed.

0101	Donald Riley	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	VMH 1307

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG. *Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing.* Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311
0201	Hassan Ibrahim MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 1311
0301	Hassan Ibrahim W 7:00pm - 9:40pm	Seats (Total: 35) VMH 1311

BMGT410 **Government Accounting**

BMGT410 Government Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221. Credit will be granted for only one of the following: BMGT410 or BMGT428A.* An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels. Restricted to Accounting majors with 60 credit hours completed.

0101	Gary Bulmash TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1418

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.

Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting.

0101	Jim Staihar MW 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1411
0201	Jim Staihar MW 3:30pm - 4:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1411
0301	Stephen Loeb TuTh 12:30pm - 1:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 35) VMH 1307
0401	Stephen Loeb TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 35) VMH 1307
SG91	Nile Webb MW 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 3219
SG92	Jim Staihar MW 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 3219

BMGT417 Taxation of Corporations, Partnerships and Estates

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.

0101	Eugene Cantor M 7:00pm - 9:40pm *Restricted to Accounting majors with 84 credit hours completed.*	Seats (Total: 45) VMH 1303
SG91	Perry Sandler MW 12:30pm - 1:45pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220
SG92	Perry Sandler MW 2:00pm - 3:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

0101	James McKinney TuTh 12:30pm - 1:45pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1335
0201	James McKinney TuTh 2:00pm - 3:15pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1335

0301	Samuel Handwerger TuTh 3:30pm - 4:45pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1335
SG91	James McKinney MW 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4211
SG92	James McKinney MW 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4211

BMGT423 **Fraud Examination**

BMGT423 Fraud Examination; (3 credits) Grade Method: REG.
Prerequisite: BMGT310. Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed. Restricted to Accounting majors with 60 hours credit hours completed.

0101	Sandra Rose TuTh 9:30am - 10:45am	Seats (Total: 43) VMH 1418
0201	Sandra Rose TuTh 11:00am - 12:15pm	Seats (Total: 43) VMH 1418
0301	Sandra Rose Tu 7:00pm - 9:40pm	Seats (Total: 43) VMH 1412

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

0101	Gary Bulmash TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1206

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or permission of department.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed or those in the Quantitative Finance Fellows Program.

0101	Francis Alt TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1336

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Ilya Ryzhov MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT438C **Special Topics in Operations Management; Scoping the Consulting Project**

BMGT438C Special Topics in Operations Management: Scoping the Consulting Project; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to students in the QUEST Honors Program.

0101	Nicole Coomber Contact instructor or department for details.	Seats (Total: 15)

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	Dalida Kadyrzhanova TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1202
0201	Dalida Kadyrzhanova TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1202
0301	Dalida Kadyrzhanova TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1202

BMGT440F **Advanced Financial Management**

BMGT440F Advanced Financial Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to students in the Smith School's Emerging CFO's Fellows program.

FP01	Susan White MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 41) VMH 3505

0201	Joseph Perfetti MW 12:30pm - 1:45pm	Seats (Total: 42) VMH 3505
0301	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 41) VMH 3505
0401	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 41) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Joseph Rinaldi MW 5:00pm - 6:15pm	Seats (Total: 52) VMH 1303

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Elinda Kiss MW 9:30am - 10:45am	Seats (Total: 40) VMH 1418
0201	Elinda Kiss MW 5:00pm - 6:15pm	Seats (Total: 40) VMH 1336
0301	Elinda Kiss MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336

BMGT445F **Banking and Financial Institutions**

BMGT445F Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to students in the Financial Services Fellows program.

FP01	Elinda Kiss MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1336

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101	Onur Tosun MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0201	Jeongmin Lee MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0301	Karen Hallows TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0401	Karen Hallows TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418
	Restricted to Finance and International Business majors with 72 credit hours completed.	

SG91	Anshuman Sinha TuTh 9:30am - 10:45am	Seats (Total: 50) BLD3 4220
	Restricted to Fall 2010 BMGT-Shady Grove cohort; all majors excluding Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Anshuman Sinha TuTh 11:00am - 12:15pm	Seats (Total: 50) BLD3 4220
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT448B **Special Topics in Finance; Private Equity and Venture Capital**

BMGT448B *(PermReq)* **Special Topics in Finance: Private Equity and Venture Capital; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's Private Equity and Venture Captial Clinic (PEVCC) fellows program. There will be occasional course activities between 9a.m. and 12p.m. on Fridays throughout the semester. Students are expected to keep their course schedule open from 9a.m.-12p.m. on Fridays. Click here for more course information.

0101	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) VMH 2505

BMGT448C **Special Topics in Finance; Advanced Portfolio Management**

BMGT448C Special Topics in Finance: Advanced Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343 and BMGT430 or ECON422. Restricted to students in the Smith School's Quantitative Finance Fellows program. Click here for more course information.

FP01	Russell Wermers TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 3505

BMGT448D **Special Topics in Finance; Dubai (United Arab Emirates): Business and Culture**
Contact department for information to register for this course.

BMGT448J **Special Topics in Finance; Investment Banking**
Contact department for information to register for this course.

BMGT449F **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

BMGT449F Investment Fund Management: Lemma Senbet Fund: Investment Fund Management; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Lemma Senbet Fund Fellows program.

FP01	Sarah Kroncke	Seats (Total: 12)
	TuTh 1:00pm - 3:00pm	VMH 3330H

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

0101	Anastasiya Pocheptsova	Seats (Total: 35)
	TuTh 9:30am - 10:45am	VMH 1411
	Restricted to BMGT majors with 60 credit hours completed.	
0201	Anastasiya Pocheptsova	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	VMH 1411
	Restricted to BMGT majors with 60 credit hours completed.	
SG91	Robert Fiddler	Seats (Total: 45)
	TuTh 9:30am - 10:45am	BLD3 4219
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Management and Fall 2011 BMGT-Shady Grove cohort students majoring in International Business. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Anastasiya Pocheptsova	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	BLD3 4219
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT450F **Integrated Marketing Communications**

BMGT450F Integrated Marketing Communications; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354. In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to students in the Smith School's Sports Management Fellows and Music Management Fellows programs.

FP01	Robert Fiddler	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	VMH 1303

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

0201	Rosellina Ferraro	Seats (Total: 50)
	MW 2:00pm - 3:15pm	VMH 1303
	Restricted to Marketing majors with 68 credit hours completed and General Business majors with 84 credit hours completed.	

0301	Rebecca Hamilton TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1333
	Restricted to Marketing majors with 68 credit hours completed and General Business majors with 84 credit hours completed.	
SG91	Simon Bensimon TuTh 11:00am - 12:15pm	Seats (Total: 50) BLD3 4216
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in International Business and Fall 2011 BMGT-Shady Grove students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.	

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 and BMGT350.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. Restricted to Marketing majors with 72 credit hours completed.

0101	Diane Whitney TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 2203
0201	Liye Ma MW 9:30am - 10:45am	Seats (Total: 35) VMH 1307
0301	Liye Ma MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1307

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

0101	Amna Khawaja MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415
0201	Amna Khawaja MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.

SG91	Simon Bensimon MW 12:30pm - 1:45pm	Seats (Total: 45) BLD3 4216

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0101	Wendy Moe MW 9:30am - 10:45am *Restricted to Marketing majors with 100 credit hours completed.*	Seats (Total: 45) VMH 1412
0201	Roxanne Lefkoff TuTh 12:30pm - 1:45pm *Restricted to Marketing majors with 100 credit hours completed.*	Seats (Total: 45) VMH 1206
0301	Roland Rust MW 12:30pm - 1:45pm *Restricted to Marketing majors with 100 credit hours completed.*	Seats (Total: 45) VMH 1307
SG91	Wendy Moe MW 2:00pm - 3:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available. basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 4226

BMGT458A **Special Topics in Marketing; Design and Innovation in Marketing**

BMGT458A Special Topics in Marketing: Design and Innovation in Marketing; (3 credits) Grade Method: REG.
Restricted to Design and Innovation Marketing Fellows.

FP01	Mary Harms MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1333

BMGT458C **Special Topics in Marketing; Service Marketing**

BMGT458C Special Topics in Marketing: Service Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Restricted to BMGT majors with 60 credit hours completed. Click here for more course information.

0101	Janet Wagner MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336

BMGT458Q **Special Topics in Marketing; Computer Graphics Workshop**

BMGT458Q Special Topics in Marketing: Computer Graphics Workshop; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Design and Innovation Marketing Fellows program.

FP01	Megan Rhee W 5:00pm - 7:40pm	Seats (Total: 17) VMH 3507

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

0101	Robert Vesco Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303
	Restricted to BMGT majors with 72 credit hours completed. Non-majors sh ould register for BMGT461N.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT461.

0101	Robert Vesco Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
For BMGT majors only. Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to International Business and Management majors with 72 credit hours completed.

0101	Nicole Coomber MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1524
0201	Nicole Coomber MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1418

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
For BMGT majors only. Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

0101	Daniel Malter TuTh 9:30am - 10:45am *Restricted to International Business and Management majors with 72 credit hours completed.*	Seats (Total: 45) VMH 1412

0201	Daniel Malter MW 9:30am - 10:45am	Seats (Total: 45) VMH 1206
	Restricted to International Business and Management majors with 72 credit hours completed.	
SG91	Paulo Prochno MW 11:00am - 12:15pm	Seats (Total: 40) BLD3 4206
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT468B **Special Topics in Management and Organization; Doing Business in Emerging Markets**
Contact department for information to register for this course.

BMGT468C **Special Topics in Management and Organization; Managing in a Global Economy with an Emphasis on China**
Contact department for information to register for this course.

BMGT468D **Special Topics in Management and Organization; Business and Culture**
Contact department for information to register for this course.

BMGT468I **Special Topics in Management and Organization; Dynamic Project Leadership**
Contact department for information to register for this course.

BMGT468J **Special Topics in Management and Organization; European Business Strategy**
Contact department for information to register for this course.

BMGT468Q **Special Topics in Management and Organization; Social Ventures Consulting Practicum**

BMGT468Q Special Topics in Management and Organization: Social Ventures Consulting Practicum; (3 credits) Grade Method: REG.
Restricted to BMGT majors or students in the QUEST Honors Program.

0101	Melissa Carrier, Nicole Coomber TuTh 11:00am - 12:15pm	Seats (Total: 20) VMH 1333

BMGT469D **Management and Organization Short-term Study Abroad; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

BMGT472 **Purchasing and Inbound Logistics**

BMGT472 Purchasing and Inbound Logistics; (3 credits) Grade Method: REG. *Prerequisite: BMGT372.* Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Supply Chain Management majors.

0101	Philip Evers MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1206
0201	Zuozheng Wang MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1206

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to Supply Chain Management and Information Systems majors.

0101	Yan Dong MW 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522
0201	Yan Dong MW 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0301	Adams Steven TuTh 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522
0401	Adams Steven TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

0101	Gary Cohen TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
0201	Gary Cohen TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
SG91	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 40) BLD3 4215
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.

Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

0101	Mary Harms MW 9:30am - 10:45am	Seats (Total: 40) VMH 3505
0201	Michael Trusov MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311
0301	Mary Harms MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1311

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Zeinab Karake MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1206
0201	Zeinab Karake M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1307

BMGT487F **Six Sigma Innovation**

BMGT487F Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT230, BMGT231, STAT400 or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to students in the Business Process Fellows Program or students in the QUEST Honors Program.

FP01	Francis Alt TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1303

BMGT488D **Special Topics in Logistics, Business, and Public Policy; Value Chain Challenges of the Cruise Ship Industry**
Contact department for information to register for this course.

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**
Contact department for information to register for this course.

BMGT488W **Special Topics in Logistics, Business, and Public Policy; Social Innovation Practicum**

BMGT488W Special Topics in Logistics, Business, and Public Policy: Social Innovation Practicum; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Social Innovation Fellows program.

FP01	Bryan Stroube, Melissa Carrier	Seats (Total: 19)
	TuTh 12:30pm - 1:45pm	VMH 2509

BMGT488X **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Logistics**

BMGT488X Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Logistics; (3 credits) Grade Method: REG.
Restricted to students in the Smith Schools Supply Chain Management Fel lows program.

FP01	Philip Evers	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	VMH 1307

BMGT494H **Honors Study**

BMGT494H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: BMGT493, and continued candidacy for honors in Business and Management; and permission of department. Second semester of the senior year. The student shall continue and complete the research initiated in BMGT 493, additional reports may be required at the discretion of the faculty advisor and Assistant Dean of Undergraduate Studies. Restricted to BMGT Honors students.

0101	Charles Olson	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise.

0101	Seth Carnahan TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0201	Shweta Gaonkar TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0301	Scott Benjamin Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0401	Scott Benjamin TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1411
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0501	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0601	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0701	W Knight TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0801	Mahka Moeen TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0901	Gosia Langa M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1001	Paul Silverman MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	

1101	Protiti Dastidar MW 11:00am - 12:15pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1201	Paul Silverman MW 12:30pm - 1:45pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1301	James Spina MW 2:00pm - 3:15pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1401	James Spina MW 12:30pm - 1:45pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1415
1501	Protiti Dastidar MW 3:30pm - 4:45pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1601	Paul Silverman MW 11:00am - 12:15pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1415
SG91	Zeinab Karake TuTh 8:00am - 9:15am *Restricted to all Fall 2010 BMGT-Shady Grove cohort students majoring i Accounting and Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 4206
SG92	Gosia Langa TuTh 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 4226

SG93	Zeinab Karake TuTh 9:30am - 10:45am	Seats (Total: 35) BLD3 4206
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Gosia Langa TuTh 11:00am - 12:15pm	Seats (Total: 35) BLD3 4226
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Gosia Langa TuTh 12:30pm - 1:45pm	Seats (Total: 35) BLD3 4226
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT495H **Business Policies**

BMGT495H *(PermReq)* **Business Policies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to graduating BMGT Honors students with 100 credit hours completed.

0101	Protiti Dastidar MW 9:30am - 10:45am	Seats (Total: 32) VMH 1303

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: one course in BMGT; or permission of department. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101	Brian Nelson TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1411
SG91	Brian Nelson MW 12:30pm - 1:45pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 4226

BMGT498N **Special Topics in Business and Management; International Negotiations**
Contact department for information to register for this course.

BMGT498P **Special Topics in Business and Management; Sociopolitical Perspective**
Contact department for information to register for this course.

BMGT499A **Advanced Business Topics; Financial Bubbles and Panics**

BMGT499A Advanced Business Topics: Financial Bubbles and Panics; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to BMGT majors with 60 credit hours completed. Prerequisite B MGT340.

0101	David Sicilia **Meets January 30, 2012 - March 16, 2012** Tu 7:00pm - 9:00pm	Seats (Total: 35) VMH 1415

BMGT499B **Advanced Business Topics; Next Generation Financial Cyberinfrastructure**

BMGT499B Advanced Business Topics: Next Generation Financial Cyberinfrastructure; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to Business majors with 60 credits. This course will meet in five sessions from Tuesday, March 27th through Tuesday, April 24th. Click here for more course information.

0101	Louiqa Raschid Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1206

BMGT808B **Doctoral Seminar; Topics in Financial Accounting**

BMGT808B Doctoral Seminar: Topics in Financial Accounting; (3 credits) Grade Method: REG/AUD.

0101	Rebecca Hann W 2:00pm - 5:00pm	Seats (Total: 12) VMH 4335

BMGT808C **Doctoral Seminar; Marketing Strategy**

BMGT808C Doctoral Seminar: Marketing Strategy; (3 credits) Grade Method: REG/AUD.

0101	Roland Rust M 6:30pm - 9:30pm	Seats (Total: 12) VMH 3330H

BMGT808F **Doctoral Seminar; Seminar in Operations Management**

BMGT808F Doctoral Seminar: Seminar in Operations Management; (3 credits) Grade Method: REG/AUD.

0101	Wedad Elmaghraby F 10:00am - 1:30pm	Seats (Total: 8) VMH 4534

BMGT808I **Doctoral Seminar; Research Methods in Informational Technology**

BMGT808I Doctoral Seminar: Research Methods in Informational Technology; (3 credits) Grade Method: REG/AUD.

0101	Henry Lucas M 10:30am - 1:00pm	Seats (Total: 8) VMH 4535

BMGT808L **Doctoral Seminar; Corporate Governance and Accounting**

BMGT808L Doctoral Seminar: Corporate Governance and Accounting; (3 credits) Grade Method: REG/AUD.

0101	Shijun Cheng Th 3:00pm - 5:40pm	Seats (Total: 12) VMH 3332

BMGT808M **Doctoral Seminar; Transportation Economics**

BMGT808M Doctoral Seminar: Transportation Economics; (3 credits) Grade Method: REG/AUD.

0101	Robert Windle Th 9:30am - 12:10pm	Seats (Total: 12) VMH 4335

BMGT808N **Doctoral Seminar; Information Systems Strategy**

BMGT808N Doctoral Seminar: Information Systems Strategy; (3 credits) Grade Method: REG/AUD.

0101	Ritu Agarwal Tu 2:00pm - 4:50pm	Seats (Total: 12) VMH 4335

BMGT808W **Doctoral Seminar; Experimental Methods for Behavioral Research**

BMGT808W Doctoral Seminar: Experimental Methods for Behavioral Research; (3 credits) Grade Method: REG/AUD.

0101	Rebecca Hamilton Th 2:00pm - 4:40pm	Seats (Total: 12) VMH 4335

BMGT821 **Seminar in Management Accounting**

BMGT821 Seminar in Management Accounting; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 711 or equivalent. Design and use of accounting information systems for managerial planning and controllership.

0101	Lawrence Gordon Contact instructor or department for details.	Seats (Total: 12)

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828B **Independent Study in Business and Management; Financial Research Methods**

BMGT828B Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	Tu 10:30am - 12:00pm	VMH 4440

BMGT828C **Independent Study in Business and Management; Workshop in Logistics, Transportation and Supply Chain**

BMGT828C Independent Study in Business and Management: Workshop in Logistics, Transportation and Supply Chain; (1 credit) Grade Method: REG/AUD.

0101	Robert Windle	Seats (Total: 10)
	Th 4:00pm - 5:30pm	VMH 4534

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	David Waguespack, Yue Zhou	Seats (Total: 13)
	Th 10:00am - 11:30am	VMH 2509

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG.

Required for all first and second year students enrolled in OB, HR and Strategy doctoral programs.

0101	Waverly Ding, Kathryn Bartol	Seats (Total: 30)
	F 12:00pm - 1:30pm	VMH 1330

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1-9 credits) Grade Method: REG/AUD.

0101	Russell Wermers	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828G **Independent Study in Business and Management; Marketing Research Seminar**

BMGT828G Independent Study in Business and Management: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Michael Trusov	Seats (Total: 16)
	F 10:00am - 12:30pm	VMH 1335

BMGT828I **Independent Study in Business and Management; Intuitive Inference in Nonlinear Models**

BMGT828I Independent Study in Business and Management: Intuitive Inference in Nonlinear Models; (1 credit) Grade Method: REG/AUD.
Meets 2/20, 2/27, 3/5, 3/12.

0101	Bennet Zelner	Seats (Total: 12)
	Meets February 20, 2012 - March 12, 2012	
	M 1:30pm - 4:40pm	VMH 4534

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Wedad Elmaghraby, Il-Horn Hann	Seats (Total: 30)
	F 2:00pm - 3:30pm	VMH 1335

BMGT828M **Independent Study in Business and Management; Doctoral Seminar on Motivating Employees**

BMGT828M Independent Study in Business and Management: Doctoral Seminar on Movtivating Employees; (2 credits) Grade Method: REG/AUD.

0101	Debra Shapiro	Seats (Total: 12)
	Meets March 28, 2012 - May 9, 2012	
	W 1:30pm - 5:05pm	VMH 4534

BMGT828N **Independent Study in Business and Management; Workshop in Accounting Research**

BMGT828N Independent Study in Business and Management: Workshop in Accounting Research; (1 credit) Grade Method: REG/AUD.

0101	Lawrence Gordon	Seats (Total: 10)
	Contact instructor or department for details.	

BMGT828O **Independent Study in Business and Management; Emotions in Organization**

BMGT828O Independent Study in Business and Management: Emotions in Organization; (2 credits) Grade Method: REG/AUD.

0101	Myeong-Gu Seo	Seats (Total: 12)
	Meets January 25, 2012 - March 14, 2012	
	W 2:00pm - 5:10pm	VMH 4534

BMGT828P **Independent Study in Business and Management; Strategy and Entrepreneurship PhD Presentations**

BMGT828P Independent Study in Business and Management: Strategy and Entrepreneurship PhD Presentations; (1 credit) Grade Method: REG/AUD.

0101	Rajshree Tronetti	Seats (Total: 30)
	Th 11:30am - 1:00pm	Location: TBA

BMGT828Q **Independent Study in Business and Management; Organizational Behavior and Human Resource Management Presentations**

BMGT828Q Independent Study in Business and Management: Organizational Behavior and Human Resource Management Presentations; (1 credit) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 12)
	Th 12:00pm - 1:30pm	VMH 2330

BMGT828R **Independent Study in Business and Management; Moderated and Mediated Regression Analyses**

BMGT828R Independent Study in Business and Management: Moderated and Mediated Regression Analyses; (1 credit) Grade Method: REG/AUD.
Meets 2/28, 3/6, 3/13.

0101	Subrahmaniam Tangirala	Seats (Total: 12)
	Meets February 28, 2012 - March 13, 2012	
	Tu 8:50am - 1:00pm	VMH 4534

BMGT828T **Independent Study in Business and Management; Endogeneity and Selection in Entrepreneurship and Strategic Management**

BMGT828T Independent Study in Business and Management: Endogeneity and Selection in Entrepreneurship and Strategic Management; (1 credit) Grade Method: REG/AUD.
Meets 4/2, 4/9, 4/16.

0101	Brent Goldfarb	Seats (Total: 12)
	Meets April 2, 2012 - April 16, 2012	
	M 1:30pm - 5:40pm	VMH 4534

BMGT828W **Independent Study in Business and Management; Scope of the Firm**

BMGT828W Independent Study in Business and Management: Scope of the Firm; (2 credits) Grade Method: REG/AUD.

0101	Anil Gupta	Seats (Total: 12)
	Meets January 31, 2012 - March 13, 2012	
	Tu 1:30pm - 5:05pm	VMH 4534

BMGT828X **Independent Study in Business and Management; Organizational Economics and Sustainable Enterprises**

BMGT828X Independent Study in Business and Management: Organizational Economics and Sustainable Enterprises; (2 credits) Grade Method: REG/AUD.

0101	Rachelle Sampson	Seats (Total: 12)
	Meets March 27, 2012 - May 8, 2012	
	Tu 9:30am - 1:05pm	VMH 3332

BMGT828Z **Independent Study in Business and Management; Factor Analysis and Structural Equation Modeling**

BMGT828Z Independent Study in Business and Management: Factor Analysis and Structural Equation Modeling; (1 credit) Grade Method: REG/AUD.
Meets 4/17, 4/24, 5/1.

0101	Gilad Chen	Seats (Total: 12)
	Meets April 17, 2012 - May 1, 2012	
	Tu 8:50am - 1:00pm	VMH 4534

BMGT833 **Operations Research: Integer Programming**

BMGT833 Operations Research: Integer Programming; (3 credits) Grade Method: REG/AUD.
Prerequisites: {BMGT 830; and MATH 241 or equivalent}; or permission of department. Theory, applications, and computational methods of integer optimization. Zero-one implicit enumeration, branch and bound methods, and cutting plane methods.

0101	Michael Ball	Seats (Total: 25)
	M 10:00am - 12:40pm	VMH 3330H

BMGT841 **Seminar in Corporate Finance**

BMGT841 Seminar in Corporate Finance; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in corporate finance.

0101	Lemma Senbet	Seats (Total: 10)
	M 8:30am - 11:10am	VMH 2509

BMGT881 **Applied Regression Models**

BMGT881 Applied Regression Models; (3 credits) Grade Method: REG/AUD. An introduction to regression models used in business research. Linear models, nonparametric methods, spatio-temporal models, methods for functional data, choice models, and methods for hierarchical, clustered and networked data. Hands-on learning via discussion of scholarly business papers, implementation using advanced statistical software, and application to research questions. Restricted to BMGT PhD students.

0101	Rui Zhao	Seats (Total: 12)
	Tu 10:00am - 12:40pm	VMH 4335

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Spring 2012

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated.
The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building).
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available.
The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Lab start dates will be posted on the Life Sciences Web Page. www.chemlife.umd.edu
BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

1100	Michael Raupp TuTh 12:30pm - 1:45pm M 8:00am - 10:50am	Seats (Total: 23) CHM 1407 HJP 3239	 Lab
1101	Michael Raupp TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 23) CHM 1407 HJP 3239	 Lab

1103	Michael Raupp TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 23) CHM 1407 HJP 3239	 Lab
1105	Michael Raupp TuTh 12:30pm - 1:45pm M 5:00pm - 7:50pm	Seats (Total: 23) CHM 1407 HJP 3239	 Lab
1107	Michael Raupp TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) CHM 1407 HJP 3239	 Lab
1108	Michael Raupp TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) CHM 1407 HJP 3239	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

0101	Michael Raupp TuTh 12:30pm - 1:45pm	Seats (Total: 5) CHM 1407

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5110	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5112	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5113	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5120	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5121	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5122	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5136	Judd Nelson MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5160	Judd Nelson MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5162	Judd Nelson MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5164	Judd Nelson MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab

5167	Judd Nelson MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5315	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5317	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1229	 Lab
5323	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1229	 Lab
5325	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5326	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5331	Patricia Shields MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5341	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5342	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5351	Patricia Shields MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab

5354	Patricia Shields MWF 1:00pm - 1:50pm W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5361	Patricia Shields MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5365	Patricia Shields MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5366	Patricia Shields MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5372	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5416	Reid Compton TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5427	Reid Compton TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5432	Reid Compton TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5433	Reid Compton TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5444	Reid Compton TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab

5450	Reid Compton TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5473	Reid Compton TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5481	Reid Compton TuTh 9:30am - 10:45am F 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1235	Lab
SES1	James Sniezek Tu 6:00pm - 8:50pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1130 HJP 1226	Lab
SES2	James Sniezek Tu 6:00pm - 8:50pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1130 HJP 1236	Lab

BSCI105C **Principles of Biology I**

BSCI105C Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Basic principles of biology with special emphasis on cellular and molecular biology. For BSCI, BCHM, and CHEM majors only.

5237	Anne Simon MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab

5252	Anne Simon MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

5191	Judd Nelson MWF 9:00am - 9:50am	Seats (Total: 5) HJP 0226	
5292	Anne Simon MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101	
5393	Patricia Shields MWF 1:00pm - 1:50pm	Seats (Total: 5) BRB 1101	
5494	Reid Compton TuTh 9:30am - 10:45am	Seats (Total: 5) HJP 0226	

BSCI105S **Principles of Biology I**

BSCI105S Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5230	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab

5371	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab

BSCI105U **Principles of Biology I**
Contact department for information to register for this course.

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

6114	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm M 10:00am - 12:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6124	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6126	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6135	Alexandra Bely, Jeffrey Jensen MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6136	Alexandra Bely, Jeffrey Jensen MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6141	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab

6142	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6143	Alexandra Bely, Jeffrey Jensen MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6144	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6211	David Inouye TuTh 12:30pm - 1:45pm M 10:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6215	David Inouye TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6216	David Inouye TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6221	David Inouye TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6225	David Inouye TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6228	David Inouye TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6233	David Inouye TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab

6238	David Inouye TuTh 12:30pm - 1:45pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6246	David Inouye TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6247	David Inouye TuTh 12:30pm - 1:45pm Th 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
SES1	Marcia Shofner Tu 6:00pm - 8:50pm Th 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1119 HJP 3217	 Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6140	Jeffrey Jensen, Alexandra Bely MWF 1:00pm - 1:50pm	Seats (Total: 3) HJP 0226	
6240	David Inouye TuTh 12:30pm - 1:45pm	Seats (Total: 3) BRB 1101	

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM)

0101	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0102	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 1:00pm - 1:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0105	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. For non-science majors only. Not open to students who have completed BSCI105. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

1001	Edgar Moctezuma TuTh 11:00am - 12:15pm	Seats (Total: 200) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Corequisite: 124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125.* An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1106	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1108	Edgar Moctezuma Tu 12:30pm - 2:30pm	Seats (Total: 24) HJP 3237	Lab
1110	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab
1112	Edgar Moctezuma W 9:00am - 11:00am	Seats (Total: 24) HJP 3237	Lab
1114	Edgar Moctezuma W 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1118	Edgar Moctezuma Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 3237	Lab
1120	Edgar Moctezuma Th 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105 or equivalent. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab

0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
SES1	Justicia Opoku-Edusei Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 1250 BPS 0205	 Lab

BSCI202 Human Anatomy and Physiology II

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.

Prerequisite: BSCI201 or permission of department. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Tammatha O'Brien TuTh 8:00am - 9:15am M 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0103	Tammatha O'Brien TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0104	Tammatha O'Brien TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 12:30pm - 3:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0107	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 3:30pm - 6:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0108	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 6:30pm - 9:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab

0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0111	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0113	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0114	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0117	Tammatha O'Brien TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0118	Tammatha O'Brien TuTh 8:00am - 9:15am F 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories. (Sponsoring Dept.: BSCI).

0101	Jeffrey Jensen, Todd Cooke MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 80) BPS 1250 PLS 1140	Discussion
0102	Jeffrey Jensen, Todd Cooke MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 74) BPS 1250 PLS 1140	Discussion
0201	Bretton Kent, Eric Haag MWF 11:00am - 11:50am	Seats (Total: 210) BRB 1101	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}.* Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

7106	David Straney MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7108	David Straney MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
7110	David Straney MWF 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7112	David Straney MWF 10:00am - 10:50am M 5:00pm - 6:50pm	Seats (Total: 22) HJP 0226 PLS 1176	Discussion
7114	David Straney MWF 10:00am - 10:50am Tu 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion

7116	David Straney MWF 10:00am - 10:50am Tu 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
7118	David Straney MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7120	David Straney MWF 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1184	Discussion
7124	David Straney MWF 10:00am - 10:50am W 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1162	Discussion
7125	David Straney MWF 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 PLS 1180	Discussion
7126	David Straney MWF 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7130	David Straney MWF 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 HBK 0108	Discussion
7210	David O'Brochta TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1176	Discussion
7212	David O'Brochta TuTh 12:30pm - 1:45pm W 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
7214	David O'Brochta TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1168	Discussion

7216	David O'Brochta TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7218	David O'Brochta TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7220	David O'Brochta TuTh 12:30pm - 1:45pm Th 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
7222	David O'Brochta TuTh 12:30pm - 1:45pm Th 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
7224	David O'Brochta TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1111	Discussion
7226	David O'Brochta TuTh 12:30pm - 1:45pm Tu 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: bsci122 or BSCI223. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG) Students must pay a $40.00 lab materials fee.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

1021	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab

1026	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1101	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1105	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1106	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1121	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1126	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1206	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1221	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1226	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab

1301	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1306	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1311	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
SES1	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1201	Lab
SES2	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1205	Lab

BSCI258 **College Park Scholars Internship**

BSCI258 College Park Scholars Internship; (2 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BSCI).

8005	Reid Compton Contact instructor or department for details.	Seats (Total: 50)

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279C **Supplemental Study; Catalyst Program Seminar**

BSCI279C *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.
(Sponsoring Dept: BIOL)

0101	Katerina Thompson, Byrn Quimby	Seats (Total: 50)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279H **Supplemental Study; Catalyst Program Seminar**

BSCI279H *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.

0101	Byrn Quimby, Katerina Thompson	Seats (Total: 70)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Joelle Presson	Seats (Total: 35)
	TBA	PLS 1111

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL).

0101	Ricardo Araneda, Patrick Kanold, Elizabeth Quinlan, Daniel Butts Contact instructor or department for details.	Seats (Total: 10)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

BSCI283 Principles of Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Priority given to BSCI, BCHM and CHEM majors. Credit will be granted for only one of the following: BSCI223 or BSCI283.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts. (Sponsoring Dept.: CBMG). Students must pay a $40.00 lab materials fee.

1025	John Buchner, Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) PLS 1140 MCB 1205	 Lab
1125	John Buchner, Richard Stewart TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) PLS 1140 MCB 1205	 Lab
1205	Richard Stewart, John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) PLS 1140 MCB 1205	 Lab

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. (Sponsoring Dept.: BSCI). Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). This requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson	Seats (Total: 15)
	Contact instructor or department for details.	

BSCI327 **Physics of Living Systems**

BSCI327 Physics of Living Systems; (3 credits) Grade Method: REG/P-F/AUD. This course will provide the foundation in Physics necessary to understand biological processes at the cellular/molecular level. Unlike classical Physics, this deals with Physics in liquids at energies comparable to thermal energy. It allow one to understand such essential processes of living systems as spontaneous motion, and the energetics and forces that allow one to understand the strategies used by living systems. Students who prefer to learn by memorization should not enroll in this course. (Sponsoring Dept: BIOL). Applicable towards all Biological Sciences areas as Enrichment only. Click here for more information.

0101	Marco Colombini	Seats (Total: 15)
	TuTh 9:30am - 10:45am	BPS 0257

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman Contact instructor or department for details.	Seats (Total: 5)	
1150	William Higgins Contact instructor or department for details.	Seats (Total: 5)	

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C- or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 lab materials fee.

0101	Richard Payne MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Richard Payne MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0103	Richard Payne MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0104	Richard Payne MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0105	Richard Payne MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0106	Richard Payne MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0107	Richard Payne MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Richard Payne MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0109	Richard Payne MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0110	Richard Payne MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0111	Richard Payne MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
0112	Richard Payne MWF 9:00am - 9:50am Th 6:30pm - 9:30pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1101	Kan Cao, June Kwak TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1102	Kan Cao, June Kwak TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab

1103	Kan Cao, June Kwak TuTh 9:30am - 10:45am Tu 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1104	Kan Cao, June Kwak TuTh 9:30am - 10:45am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1106	Kan Cao, June Kwak TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1107	June Kwak, Kan Cao TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1108	Kan Cao, June Kwak TuTh 9:30am - 10:45am Th 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1109	Kan Cao, June Kwak TuTh 9:30am - 10:45am M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
SES1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm	Seats (Total: 24) BPS 0283 BPS 0207	 Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI334 **Mammalogy**

BSCI334 Mammalogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in {BSCI106 and BSCI207}. Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and ECEV.

0101	Katerina Thompson TuTh 12:30pm - 1:45pm	Seats (Total: 75) PLS 1140	

BSCI335 **Mammalogy Laboratory**

BSCI335 Mammalogy Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C- in or better in {BSCI106 and BSCI334}. Corequisite: BSCI334.* Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Katerina Thompson Tu 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab
0102	Katerina Thompson W 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab

BSCI337 **Biology of Insects**

BSCI337 Biology of Insects; (4 credits) Grade Method: REG/AUD. *Prerequisite: BSCI106 or permission of department.* An overview of the biology, evolution and diversity of insects and their relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required. (Sponsoring Dept.: ENTM). Specialization Areas: GENB and ECEV. Students must pay a $40.00 laboratory materials fee.

0101	Jian Wang, Cerruti Hooks TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 18) PLS 1111 PLS 1161	Lab
0102	Cerruti Hooks, Jian Wang TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 18) PLS 1111 PLS 1161	Lab

BSCI338C **Special Topics in Biology; Genomics of Sensory Systems**

BSCI338C Special Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 or permission of instructor. An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems and sensory ecology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB and GENB.

0101	Karen Carleton	Seats (Total: 30)	
	MW 2:00pm - 2:50pm	PLS 1117	

BSCI338D **Special Topics in Biology; Complexity of Cancer**
Contact department for information to register for this course.

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Developmen**
Contact department for information to register for this course.

BSCI338J **Special Topics in Biology; Medical Exploration of HIV/AIDS**
Contact department for information to register for this course.

BSCI338K **Special Topics in Biology; Genetics Research on Cichlid Fishes Laboratory**

BSCI338K *(PermReq)* **Special Topics in Biology: Genetics Research on Cichlid Fishes Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisites: BSCI 222 and permission of instructor. Applicable towards Biological Sciences Specialization Areas: ECEV, GENB. Students must pay a $40.00 laboratory materials fee.

0101	Thomas Kocher	Seats (Total: 12)	
	Tu 2:00pm - 3:00pm	BPS 2249	
	Th 2:00pm - 5:00pm	BPS 2249	Lab

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**
Contact department for information to register for this course.

BSCI338N **Special Topics in Biology; Diseases of Nervous System**

BSCI338N Special Topics in Biology: Diseases of Nervous System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring DEPT: BIOL). Prerequisite: BSCI330. (Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

0101	Avis Cohen	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1113

BSCI338O **Special Topics in Biology; Cell Biology from a Biophysical Perspective**

BSCI338O Special Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Prerequisite: BSCI230 or BSCI330; recommended one semester of physics. Acceptable towards Biological Sciences Specialization Areas: ZOOL, PHNB, GENB, and GEBG. This course will approach cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expecta background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	PLS 1180

BSCI338P **Special Topics in Biology; Pathophysiology of Circulatory System**

BSCI338P Special Topics in Biology: Pathophysiology of Circulatory System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. Prerequisite: BSCI230 or BSCI330; or permission of instructor. Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

0101	Ibrahim Ades	Seats (Total: 20)
	Th 3:30pm - 6:00pm	PLS 1158

BSCI338Q **Special Topics in Biology; Conservation Laboratory**

BSCI338Q Special Topics in Biology: Conservation Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL).Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity and Conservation Biology. Pre- or corequisite: BSCI363. Students must pay a $40.00 lab materials fee.

0101	Amy Villamagna M 2:00pm - 4:50pm	Seats (Total: 20) BPS 0275	 Lab
0201	Amy Villamagna W 2:00pm - 4:50pm	Seats (Total: 20) BPS 0275	 Lab

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Scientific Teaching Internship; (3 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Richard Stewart	Seats (Total: 22)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348B **Special Topics in Cell Biology and Molecular Genetics; Applications in Bioinformatics**

BSCI348B Special Topics in Cell Biology and Molecular Genetics: Applications in Bioinformatics; (2 credits) Grade Method: REG/AUD.
Students will learn about methodologies and tools applicable to bioinformatics through learning to use a variety of databases from NCBI and other sources. The curriculum will consist of lecture and computer exercises using published data to explore relationships between sequences of nucleotides and proteins to gain understanding of homology, function and evolution. Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. For permission please contact usgbiosci@umd.edu.

SG91	Beth Parent	Seats (Total: 30)
	M 9:00am - 10:50am	BLD3 2211
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

BSCI348P *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Introductory Biology Curriculum and Instruction Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 1-1:50pm). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) or Jeffrey Olimpo (jeolimpo@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0101	Patricia Shields	Seats (Total: 20)
	W 10:00am - 10:50am	MCB 1123
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

0101	Najib El-Sayed	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F.
Prerequisites: BSCI106 and (MATH130 or MATH140). Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Irwin Forseth TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 BPS 1232	Discussion
0102	Irwin Forseth TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 BPS 1234	Discussion
0103	Irwin Forseth TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 24) PLS 1130 BPS 1234	Discussion

BSCI363 **The Biology of Conservation and Extinction**

BSCI363 The Biology of Conservation and Extinction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction. (Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB.

0101	Amy Villamagna MWF 11:00am - 11:50am	Seats (Total: 92) CCC 1205

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Sara Via, Carlos Machado TuTh 9:30am - 10:45am	Seats (Total: 96) PLS 1140

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit) Grade Method: REG.
Repeatable to 6 credits. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Corequisite: BSCI379H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

0101	Louisa Wu	Seats (Total: 18)
	F 2:00pm - 2:50pm	BPS 0283

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: BIOL). Prerequisite: permission of department. Formerly ZOOL308H.

1000	Marjorie Reaka	Seats (Total: 35)
	M 4:00pm - 4:50pm	BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

0201	Jian Wang MW 12:00pm - 1:15pm	Seats (Total: 60) MCB 1207
BL01	Stephen Mount TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 95) CSS 2324 ONLINE
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

BSCI412 **Microbial Genetics**

BSCI412 Microbial Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI223 and BSCI222.* A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches. (Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 lab materials fee.

0101	Vincent Lee	Seats (Total: 18)	
	TuTh 12:30pm - 1:30pm	MCB 1207	
	TuTh 1:30pm - 4:30pm	MCB 1143	Lab
0103	Vincent Lee	Seats (Total: 18)	
	TuTh 12:30pm - 1:30pm	MCB 1207	
	TuTh 1:30pm - 4:30pm	MCB 1138	Lab

BSCI413 **Recombinant DNA**

Contact department for information to register for this course.

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222.* An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. Students must pay a $40.00 laboratory materials fee.

SG91	Sandra Fox-Moon	Seats (Total: 35)
	TuTh 1:00pm - 5:00pm	BLD2 3032
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

BSCI417 **Microbial Pathogenesis**

BSCI417 Microbial Pathogenesis; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BSCI222 and BSCI223. Junior standing. Credit will be granted for only one of the following: BSCI348M or BSCI417. Formerly BSCI348M. Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

0101	Kevin McIver	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	MCB 1207	

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak	Seats (Total: 52)	
	TuTh 8:00am - 9:15am	PLS 1140	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233.. Credit will be granted for only one of the following: BSCI420 or BSCI421. Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 lab materials fee.

0101	Stephen Wolniak	Seats (Total: 22)	
	TuTh 8:00am - 9:15am	PLS 1140	
	Tu 1:00pm - 4:50pm	PLS 1171	Lab

0102	Stephen Wolniak TuTh 8:00am - 9:15am W 1:00pm - 4:50pm	Seats (Total: 22) PLS 1140 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG. *Prerequisites: BSCI222 and BSCI223. Recommended: BSCI230 or BSCI330. Junior or Senior standing.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system. (Sponsoring Dept.: CMBG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

0101	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) PLS 1140 JMZ 1215	 Discussion
0102	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion
0103	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion
0104	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion
SG91	Scott Walsh TuTh 11:00am - 12:15pm	Seats (Total: 35) BLD2 3032	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other student to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI423 **Immunology Laboratory**

BSCI423 Immunology Laboratory; (2 credits) Grade Method: REG. *Prerequisites: BSCI222 and BSCI223. Corequisite: BSCI422. Junior or senior standing.* Current techniques for assessment of immune status and evaluation of the immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 lab materials fee.

0101	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1143	Lab
0103	Wenxia Song MW 3:00pm - 4:50pm	Seats (Total: 20) MCB 1138	Lab

BSCI424 **Pathogenic Microbiology**
Contact department for information to register for this course.

BSCI430 **Developmental Biology**

BSCI430 Developmental Biology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222.* Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, ECEV, and GENB.

0101	Eric Haag, William Jeffery TuTh 12:30pm - 1:45pm	Seats (Total: 70) PLS 1130	

BSCI433 **Biology of Cancer**

BSCI433 Biology of Cancer; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; or permission of department.* Causes and consequences of neoplastic transformations at the biochemical and cellular levels. (Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Ibrahim Ades TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1250	

SES1	Ibrahim Ades	Seats (Total: 30)
	M 6:00pm - 8:50pm	BPS 0283
	This section is restricted to SIE majors only.	

BSCI434 **Mammalian Histology**

BSCI434 Mammalian Histology; (4 credits) Grade Method: REG.
Prerequisites: BSCI230 or BSCI330; and BSCI440; or permission of department. A study of the microscopic anatomy, ultrastructure and histophysiology of tissues and organs of mammals.

SES1	Reid Compton	Seats (Total: 18)	
	TuTh 6:30pm - 7:50pm	HJP 3237	
	TuTh 8:00pm - 9:30pm	HJP 3237	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222 or permission of department. Junior standing. Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Specialization Areas: MICB, CEBG, and GENB.

0101	Brenda Fredericksen, Jeffrey DeStefano	Seats (Total: 80)
	MWF 11:00am - 11:50am	MCB 1207

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and (CHEM231/CHEM232 or CHEM233); or permission of department.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

2201	Ricardo Araneda MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 30) MMH 1400 PLS 1111	 Discussion
2202	Ricardo Araneda MWF 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 30) MMH 1400 BPS 1124	 Discussion
2203	Ricardo Araneda MWF 9:00am - 9:50am Tu 2:00pm - 3:50pm	Seats (Total: 30) MMH 1400 BPS 1124	 Discussion
2206	Ricardo Araneda MWF 9:00am - 9:50am F 2:00pm - 3:50pm	Seats (Total: 30) MMH 1400 BPS 1124	 Discussion
2301	William Higgins TuTh 8:00am - 9:15am M 12:00pm - 1:50pm	Seats (Total: 30) MMH 1400 BPS 1234	 Discussion
2302	William Higgins TuTh 8:00am - 9:15am Tu 2:00pm - 3:50pm	Seats (Total: 30) MMH 1400 HBK 0108	 Discussion
2303	William Higgins TuTh 8:00am - 9:15am W 10:00am - 11:50am	Seats (Total: 30) MMH 1400 BPS 1228	 Discussion
2304	William Higgins TuTh 8:00am - 9:15am W 12:00pm - 1:50pm	Seats (Total: 30) MMH 1400 BPS 1124	 Discussion

SES1	William Higgins Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm	Seats (Total: 30) PLS 1140 PLS 1140	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	Michelle Beaucher MW 11:00am - 12:50pm	Seats (Total: 35) BLD2 3032	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 lab materials fee.

0101	Hilary Bierman M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0103	Hilary Bierman M 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0104	Hilary Bierman M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0106	Hilary Bierman M 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; and CHEM243.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

0101	Michael Ma	Seats (Total: 65)
	MWF 10:00am - 10:50am	MCB 1207

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C- or better in {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122.* The cellular and molecular basis of nervous system function. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG, PHNB and GENB.

0101	Patrick Kanold, David Sandstrom	Seats (Total: 74)
	TuTh 2:00pm - 3:15pm	MCB 1207

BSCI462 **Population Ecology**

BSCI462 Population Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and MATH130.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics.

0101	Michele Dudash	Seats (Total: 30)
	MW 9:30am - 10:45am	BPS 0283

BSCI465 **Behavioral Ecology**

BSCI465 Behavioral Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and (BSCI222 or BSCI224).* How natural and social environments shape individual behavior. The influence of evolution on patterns of individual adaptation. Use of the evolutionary paradigm to investigate specific problems in animal and human behavior.

0101	Gerald Borgia TuTh 11:00am - 12:15pm	Seats (Total: 20) HBK 0109

BSCI473 **Marine Ecology**

BSCI473 Marine Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207.* Courses in evolution and animal behavior are strongly recommended. A detailed analysis of the evolutionary ecology of marine invertebrates; emphasis on testing of theories and on current literature.

0101	Marjorie Reaka TuTh 12:30pm - 1:45pm	Seats (Total: 40) CHE 2136

BSCV CIVICUS Spring 2012

BSCV182 **Civicus and Service-Learning**

BSCV182 Civicus and Service-Learning; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: BSOS181, and BSOS191. Corequisite: SOCY105. Open only to Civicus students. Credit will be granted for only one of the following: BSCV182 or BSOS182. Formerly BSOS182.* Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

0101	Julie Randolph, Sue Briggs M 3:30pm - 5:15pm	Seats (Total: 25) SOM 0101
0201	Julie Randolph, Sue Briggs Tu 3:30pm - 5:15pm	Seats (Total: 25) SOM 0101
0301	Sue Briggs Th 3:30pm - 5:15pm	Seats (Total: 25) SOM 0101

BSCV302 **Civicus Capstone**

BSCV302 Civicus Capstone; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCV301. Sophomore standing. Credit will be granted for only one of the following: BSCV302 or BSOS302. Formerly BSOS302.* Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues.

0101	Sue Briggs M 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101
0201	Sue Briggs Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101
0301	Sue Briggs W 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101

BSCV309 **Civicus Seminar**

BSCV309 Civicus Seminar; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sue Briggs TBA	Seats (Total: 5) SOM 0101
0201	Sue Briggs TBA	Seats (Total: 10) SOM 0101

BSCV399T **Directed Study in Civicus; CIVICUS Undergraduate Teaching Assistant Directed Study**

BSCV399T Directed Study in Civicus: CIVICUS Undergraduate Teaching Assistant Directed Study; (1-6 credits) Grade Method: REG/P-F/AUD.

0101	Sue Briggs TBA	Seats (Total: 14) SOM 0101

BSGC Global Communities Spring 2012

BSGC102 **Solving Global Problems**

BSGC102 *(PermReq)* **Solving Global Problems; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: BSGC101. Builds upon the concepts and perspectives introduced in BSGC101, but broadens the subject matter beyond the theme of global food. Relies heavily on teamwork among students in simulations, research projects, and case studies. Also, it incorporates training in research skills, intercultural communication, and techniques and tools specific to different disciplines.

0101	Virginia Haufler Tu 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 28) CHE 2108 DOR 0128	 Discussion
0102	Virginia Haufler Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 28) CHE 2108 DOR 0128	 Discussion
0103	Virginia Haufler Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 28) CHE 2108 DOR 0128	 Discussion

BSOS Behavioral and Social Sciences Spring 2012

BSOS248A **Leadership Seminar I: Topics in the Behavioral and Social Sciences; Ambassadors**
Contact department for information to register for this course.

BSOS248P **Leadership Seminar I: Topics in the Behavioral and Social Sciences; Peer Mentors**
Contact department for information to register for this course.

BSOS258A **Leadership Practicum I: Topics in Behavioral and Social Sciences; Ambassadors**
Contact department for information to register for this course.

BSOS258P **Leadership Practicum I: Topics in Behavioral and Social Sciences; Peer Mentors**
Contact department for information to register for this course.

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG.

0101	Kathryn Hopps	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS348D **Leadership Seminar II: Topics in Behavioral and Social Sciences; Dean's Student Advisory Council**

Contact department for information to register for this course.

BSOS358A **Leadership Practicum II: Topics in the Behavioral and Social Sciences; Ambassadors**

Contact department for information to register for this course.

BSOS358D **Leadership Practicum II: Topics in the Behavioral and Social Sciences; Dean's Student Advisory Council**

Contact department for information to register for this course.

BSOS358P **Leadership Practicum II: Topics in the Behavioral and Social Sciences; Peer Mentors**

Contact department for information to register for this course.

BSOS386 **Experiential Learning**

Contact department for information to register for this course.

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG.

0101	Kathryn Hopps	Seats (Total: 40)
	Contact instructor or department for details.	

BSOS388Q **Behavioral and Social Sciences Special Topics; CESAR Directed Study**

Contact department for information to register for this course.

BSOS399 **Directed Study in Behavioral and Social Sciences**

Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences**

BSOS399B Directed Study in Behavioral and Social Sciences; (1-6 credits)

Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**
Contact department for information to register for this course.

BSOS399K **Directed Study in Behavioral and Social Sciences; Directed Study in CAPC**
Contact department for information to register for this course.

BSOS399Q **Directed Study in Behavioral and Social Sciences; CESAR**
Contact department for information to register for this course.

BSOS448A **Teaching Assistantship Practicum; Ambassador Teaching Assistant**
Contact department for information to register for this course.

BSOS448B **Teaching Assistantship Practicum; Ambassador Leadership Practicum III**
Contact department for information to register for this course.

BSOS448D **Teaching Assistantship Practicum; Dean's Student Advisory Council Teaching Assistant**
Contact department for information to register for this course.

BSOS448T **Teaching Assistantship Practicum; BSOS Teaching Assistant**
Contact department for information to register for this course.

BSST Terrorism Studies Spring 2012

BSST331 **Response to Terrorism**

BSST331 *(PermReq)* **Response to Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students enrolled in the Terrorism Studies Minor Program. Credit will be granted for only one of the following: BSOS331 or BSST331. Formerly BSOS331.
Explores the manners in which a variety of different actors respond to both terrorist incidents and the threat of terrorism. Examines local responses to terrorists incidents; local impacts of terrorism including effects on individual and group attitudes and behaviors; policy decisions made in response to both terrorist attacks and the threat of terrorism; terrorism prevention, deterrence, interdiction, and mitigation efforts; and individual and community recovery from terrorist attacks.

0101	Katherine Izsak	Seats (Total: 35)
	W 1:00pm - 3:45pm	TYD 2109

BSST338F **Special Topics in Terrorism Studies; Media in War and Crisis**
Contact department for information to register for this course.

BSST338I **Special Topics in Terrorism Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

BSST338N **Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

BSST338R **Special Topics in Terrorism Studies; Peace & Conflict Honors Seminar II: Regional Conflicts**
Contact department for information to register for this course.

BSST399L **Individual Study in Terrorism Studies; Homeland Security**

BSST399L *(PermReq)* **Individual Study in Terrorism Studies: Homeland Security; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSST399T **Individual Study in Terrorism Studies; Teaching Terrorism**

BSST399T *(PermReq)* **Individual Study in Terrorism Studies: Teaching Terrorism; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSST630 **Motivations and Intents of Terrorists and Terrorist Groups**

BSST630 Motivations and Intents of Terrorists and Terrorist Groups; (3 credits) Grade Method: REG/AUD.
Admission to Terrorism Analysis Graduate Certificate Program.. Credit will be granted for only one of the following: BSOS630 or BSST630. Formerly BSOS630. Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.

ST01	Anthony Lemieux	Seats (Total: 25)
	Meets February 28, 2012 - May 22, 2012	
	W 7:00pm - 9:30pm	ONLINE
	Contact instructor or department for details.	

BSST699 **Independent Study in Terrorism Studies**

BSST699 *(PermReq)* **Independent Study in Terrorism Studies; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC Accounting and Information Assurance — Spring 2012

BUAC711 **Financial Planning and Control Systems for Managers and Consultants**

BUAC711 Financial Planning and Control Systems for Managers and Consultants; (2 credits) Grade Method: REG.
Prerequisites: BUSI 611, BUSI 630 and BUSI 681; or permission of department. For BMGT majors only. Credit will be granted for only one of the following: BMGT 711 and BUAC 711. Formerly BMGT711. This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing.

DC06	Lawrence Gordon	Seats (Total: 40)
	Meets January 28, 2012 - March 17, 2012	
	Sa 8:40am - 12:50pm	DC C6
	Meets 1/28, 2/4, 2/11, 2/25, 3/3, 3/10, Final 3/17."	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC786 **Internal Auditing I: Conceptual and Institutional Framework**

BUAC786 Internal Auditing I: Conceptual and Institutional Framework; (3 credits) Grade Method: REG.

Restricted to BMSB Program. Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

GS06	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets January 7, 2012 - March 24, 2012	
	Sa 8:30am - 12:15pm	BLD2 3032
	Meets 1/7, 1/14, 1/21, 1/28, 2/4, 2/18, 2/25, 3/3, 3/10, 3/17, Final 3/24. For MS in Accounting students only."	

BUAC787 **Internal Auditing II: Internal Audit Application and Practice**

BUAC787 Internal Auditing II: Internal Audit Application and Practice; (3 credits) Grade Method: REG.

Prerequisite: BUAC787. Restricted to BMSB program. This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

0501	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets March 26, 2012 - May 11, 2012	
	MW 6:25pm - 9:10pm	VMH 1520
	For MS in Accounting students only.	

BUAC788P **Action Learning Project; Action Learning Project**

BUAC788P Action Learning Project: Action Learning Project; (1 credit) Grade Method: REG.

0501	Matthew Gagnon F 8:30am - 3:30pm *For MS in Accounting students only.*	Seats (Total: 60) Location: TBA
0701	Lawrence Gordon **Meets January 25, 2012 - May 10, 2012** Contact instructor or department for details. *For MS in Accounting students only.*	Seats (Total: 60)
GS06	Matthew Gagnon **Meets January 7, 2012 - May 5, 2012** Sa 8:30am - 3:30pm *Meets from 5-6pmon 1/7, 1/14, 1/21, 1/28, 2/4, 2/18, 2/25, 3/3, 3/10, 3/17. Meets from 8:30am-3:30pm on 2/11, 3/31, 4/21, 5/5. Meets from 9am-4:30pm on 4/7. For MS in Accounting students only.*	Seats (Total: 60) BLD2 3032
GS07	Lawrence Gordon **Meets February 11, 2012 - May 5, 2012** Contact instructor or department for details. *For MS in Accounting students only.*	Seats (Total: 60)

BUAC790 **Informtion Security, Audit and Control**

BUAC790 Informtion Security, Audit and Control; (3 credits) Grade Method: REG. *Restricted to BMSB program.* Builds on basic information technology (IT) courses, focusing on key issues including IT security, IT controls, and IT auditing. Addressing issues such as auditing a computer information system; assessing risks; identifying control objectives; identifying appropriate audit procedures; learning the concepts and basic features or audit software thereby providing the tools for choosing audit software; conducting an operational audit basic controls over computer information systems; and developing world-class IT control frameworks.

0501	Michael Shamari **Meets January 23, 2012 - March 9, 2012** MW 6:25pm - 9:10pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1520

GS06	David Sites	Seats (Total: 0)
	Meets January 7, 2012 - March 24, 2012	
	Sa 1:15pm - 5:00pm	BLD2 3032
	Meets 1/7, 1/14, 1/21, 1/28, 2/4, 2/18, 2/25, 3/3, 3/10, 3/17, Final 3/24. For MS in Accounting students only.	

BUDT Decision and Information Technologies Spring 2012

BUDT706 **Social Media and Web 2.0**

BUDT706 Social Media and Web 2.0; (2 credits) Grade Method: REG.
For majors only. Over the past years, social computing technologies such as online communities, blogs, wikis, and social networking systems have become important tools for individuals to seek information, socialize with others, get support, collaborate on work, and express themselves. Increasingly, businesses are trying to leverage web 2.0 by using social computing technologies to communicate with customers, employees, and other business partners or to build new business models. This course will review concepts and principles related to web 2.0 and examine issues and strategies associated with business use of social computing technologies.

0101	Sivakumar Viswanathan	Seats (Total: 19)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 8:30am - 10:20am	VMH 1415
0501	Sivakumar Viswanathan	Seats (Total: 0)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 8:30am - 10:20am	VMH 1415
	For MS in Information Systems students only.	

BUDT732 **Decision Modeling with Spreadsheets**

BUDT732 Decision Modeling with Spreadsheets; (2 credits) Grade Method: REG.
Prerequisites: BUSI630 or permission of instructor. Credit will be granted for only one of the following: BMGT732 or BUDT732. Formerly BMGT732. Introduces analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

0101	Subramanian Raghavan **Meets March 26, 2012 - May 11, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 34) VMH 1520
0501	Subramanian Raghavan **Meets March 26, 2012 - May 11, 2012** TuTh 10:30am - 12:20pm *For MS in Information Systems students only.*	Seats (Total: 11) VMH 1520

BUDT758F **Special Topics in Decision, Operations and Information Technologies; Google Online Challenge and Analytics**

BUDT758F Special Topics in Decision, Operations and Information Technologies: Google Online Challenge and Analytics; (2 credits) Grade Method: REG.

0501	Sivakumar Viswanathan, Il-Horn Hann **Meets March 26, 2012 - May 11, 2012** MW 1:00pm - 2:50pm	Seats (Total: 20) VMH 1520

BUDT758G **Special Topics in Decision, Operations and Information Technologies; Global Sourcing and Innovation Strategy**

BUDT758G Special Topics in Decision, Operations and Information Technologies: Global Sourcing and Innovation Strategy; (2 credits) Grade Method: REG.

DC01	David McCue **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C5

BUDT758Q **Special Topics in Decision, Operations and Information Technologies; IS Security**

BUDT758Q Special Topics in Decision, Operations and Information Technologies: IS Security; (2 credits) Grade Method: REG.

0101	Donald Riley **Meets March 26, 2012 - May 11, 2012** TuTh 8:30am - 10:20am	Seats (Total: 19) VMH 1415

0501	Donald Riley	Seats (Total: 0)
	Meets March 26, 2012 - May 11, 2012	
	TuTh 8:30am - 10:20am	VMH 1415
	For MS in Information Systems students only.	

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG. *For Majors Only or permission of department. Credit will be granted for only one of the following: BUDT758D or BUDT775. Formerly BUDT758D.* Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

0101	Yi Xu	Seats (Total: 38)
	Meets March 26, 2012 - May 11, 2012	
	MW 3:00pm - 4:50pm	VMH 1518

BUFN Finance Spring 2012

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN740 **Capital Markets**

BUFN740 Capital Markets; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For majors only. Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

0101	Gurdip Bakshi	Seats (Total: 40)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 3:00pm - 4:50pm	VMH 1511

BUFN750 **Valuation in Corporate Finance**

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.
For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.
BUFN750 Valuation in Corporate Finance; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN714 or BUFN750. Formerly BUFN714. An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0101	Karen Hallows	Seats (Total: 40)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 8:30am - 10:20am	VMH 1520

0201	Karen Hallows **Meets March 26, 2012 - May 11, 2012** TuTh 8:30am - 10:20am	Seats (Total: 40) VMH 1528
BA01	Karen Hallows **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 102
GS01	Dalida Kadyrzhanova **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BLD3 4202

BUFN751 **Financial Strategy For Corporations**

BUFN751 Financial Strategy For Corporations; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For majors only.* An advanced course in corporate finance, focusing on the issues that firms face when they plan to raise external capital from financial markets. The focus is on the financing problems faced by mid-market to large firms and on capital raised from public markets. The forms of external finance vary from simple debt or equity to more complex securities that bundle with an element of risk management.

0101	Nagpurnanand Prabhala **Meets March 26, 2012 - May 11, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 45) VMH 1505
DC01	Nagpurnanand Prabhala **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUFN753 **Corporate Governance and Performance**

BUFN753 Corporate Governance and Performance; (2 credits) Grade Method: REG.

Prerequisite: BUSI640. For majors only. Deals with corporate governance and its impact on shareholder value. Divergence of interests between corporate insiders and providers of funds leads to agency problems which can impair corporate performance and shareholder value. Various instruments of corporate governance - internal as well as external mechanisms - that can help align managerial incentives with those of outside investors, and hence help restore shareholder value will be studied.

DC01	Lemma Senbet **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG.

Prerequisite: BUSI640. For majors only. Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0501	Clifford Rossi **Meets January 23, 2012 - March 9, 2012** MW 10:30am - 12:20pm *For MS in Finance students only.*	Seats (Total: 40) VMH 1511
DC51	Clifford Rossi **Meets January 23, 2012 - March 9, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN755 **Entrepreneurial Finance and Private Equity**

BUFN755 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG.

Prerequisite: BUSI640. For Majors only. Credit will be granted for only one of the following: BUSI647 or BUFN755. Formerly BUSI647. An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

DC02	Stephen Wallenstein **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C3

BUFN758N **Special Topics in Finance; Financial Econometrics**

BUFN758N Special Topics in Finance: Financial Econometrics; (2 credits) Grade Method: REG.

0501	Georgios Skoulakis **Meets January 23, 2012 - March 9, 2012** TuTh 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 0) VMH 1511
DC51	Georgios Skoulakis **Meets January 23, 2012 - March 9, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 58) DC C1
DC52	Georgios Skoulakis **Meets January 23, 2012 - March 9, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 58) DC C1

BUFN758O **Special Topics in Finance; Financial Econometrics II**

BUFN758O Special Topics in Finance: Financial Econometrics II; (2 credits)
Grade Method: REG.

0501	Georgios Skoulakis **Meets March 26, 2012 - May 11, 2012** TuTh 8:30am - 10:20am	Seats (Total: 0) VMH 1511
DC51	Georgios Skoulakis **Meets March 26, 2012 - May 11, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 58) DC C1
DC52	Georgios Skoulakis **Meets March 26, 2012 - May 11, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 58) DC C2

BUFN758Q **Special Topics in Finance; Quantitative Investment Strategy**

0501	Russell Wermers **Meets March 26, 2012 - May 11, 2012** TuTh 12:30pm - 2:20pm *For MS in Finance students only.*	Seats (Total: 40) VMH 3505
BA01	Russell Wermers **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 102
DC51	Russell Wermers **Meets March 26, 2012 - May 11, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN702 or BUFN760. Formerly BUFN702. Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke **Meets March 26, 2012 - May 9, 2012** TuTh 8:30am - 10:20am	Seats (Total: 42) VMH 1505
DC51	Sarah Kroncke **Meets March 26, 2012 - May 9, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C1
DC52	Joseph Perfetti **Meets March 26, 2012 - May 9, 2012** M 6:25pm - 10:00pm *For MS in Finance students only.*	Seats (Total: 40) DC C4

BUFN761 **Derivative Securities**

BUFN761 Derivative Securities; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN726 or BUFN761. Formerly BUFN726. Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0101	Clifford Rossi **Meets March 26, 2012 - May 11, 2012** MW 3:00pm - 4:50pm	Seats (Total: 40) VMH 1511

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN762. Formerly BUFN731. Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

DC51	Mark Taranto **Meets January 23, 2012 - March 9, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN700 or BUFN763. Formerly BUFN700. Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0501	Russell Wermers **Meets January 23, 2012 - March 9, 2012** TuTh 12:30pm - 2:20pm *For MS in Finance students only.*	Seats (Total: 40) VMH 3505
BA01	Russell Wermers **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101

DC06	Bernard McGinn **Meets March 24, 2012 - May 19, 2012** Sa 1:40pm - 5:50pm *Meets 3/24, 3/31, 4/14, 4/21, 4/28, 5/12, Final 5/19.*	Seats (Total: 40) DC C2
DC51	Sarah Kroncke **Meets January 23, 2012 - March 9, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 52) DC C2
DC52	Russell Wermers **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm *For MS in Finance students only.*	Seats (Total: 40) DC C6

BUFN765 **Fixed Income Derivatives**

BUFN765 Fixed Income Derivatives; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Recommended: BUFN761. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN765. Formerly BUFN731.* Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

0501	Mark Taranto **Meets January 23, 2012 - March 9, 2012** MW 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 40) VMH 1520
DC06	Mark Taranto **Meets January 28, 2012 - March 17, 2012** Sa 1:40pm - 5:50pm *Meets 1/28, 2/4, 2/11,2/25, 3/3, 3/10, Final 3/17.*	Seats (Total: 40) DC C5

DC51	Mark Taranto **Meets March 26, 2012 - May 11, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN766 **Financial Engineering**

BUFN766 Financial Engineering; (2 credits) Grade Method: REG. *Prerequisite: BUFN761 or BUFN726. For Majors Only. Credit will be granted for only one of the following: BUFN735 or BUFN766. Formerly BUFN735.* Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

0501	Mark Taranto **Meets March 26, 2012 - May 11, 2012** MW 10:30am - 12:20pm *For MS in Finance students only.*	Seats (Total: 40) VMH 1511
DC01	Mark Taranto **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC51	Mark Taranto **Meets March 26, 2012 - May 11, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2
DC52	Mark Taranto **Meets March 26, 2012 - May 11, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C1

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG.
Prerequisite: BUFN770. For majors only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

DC01	Stephen Wallenstein	Seats (Total: 40)
	Meets January 23, 2012 - March 9, 2012	
	Th 6:25pm - 10:00pm	DC C2

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN722 or BUFN772. Formerly BUFN722. Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

DC51	Joseph Colantuoni	Seats (Total: 40)
	Meets March 26, 2012 - May 11, 2012	
	Tu 6:25pm - 10:00pm	DC C5
	For MS in Finance students only.	

BUFN773 **Institutional Asset Management**

BUFN773 Institutional Asset Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For majors only. Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

0101	Albert Kyle **Meets January 23, 2012 - March 9, 2012** MW 10:30am - 12:20pm	Seats (Total: 40) VMH 1520
DC51	Albert Kyle **Meets January 23, 2012 - March 9, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BULM Logistics, Business, and Public Policy Spring 2012

BULM720 **The Green Supply Chain**

BULM720 The Green Supply Chain; (2 credits) Grade Method: REG.
For majors only. In response to international regulation of carbon emissions and increasing corporate responsibility pressures, companies are seeking to develop greener supply chains. Companies such as WalMart have undergone a paradigm shift in how they manage their businesses to emphasize environmental stewardship and due diligence on product sustainability. Students are provided with key concepts and tools for designing and managing environmentally sustainable, low-impact supply chains.

0101	Taylor Wilkerson **Meets March 26, 2012 - May 11, 2012** Th 6:00pm - 9:35pm	Seats (Total: 17) VMH 1520
0501	Taylor Wilkerson **Meets March 26, 2012 - May 11, 2012** Th 6:00pm - 9:35pm *For MS in Supply Chain students only.*	Seats (Total: 0) VMH 1520

BULM724 **Negotiations in Supply Chain Management**

BULM724 Negotiations in Supply Chain Management; (2 credits) Grade Method: REG.

For majors only. This high experiential course will improve students' negotiation skills and capacity to acquire and effectively use power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students negotiating self confidence and improve students analytical skills, interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Martin Sullivan	Seats (Total: 0)
	Meets January 23, 2012 - March 9, 2012	
	Tu 3:00pm - 6:35pm	VMH 1520
	For MS in Supply Chain students only.	

BULM733 **Global Trade Logistics**

BULM733 Global Trade Logistics; (2 credits) Grade Method: REG.

For majors only or permission of department. Credit will be granted for only one of the following: BMGT773 or BULM733. Formerly BMGT773. Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

BA01	Gary Cohen	Seats (Total: 40)
	Meets January 28, 2012 - February 25, 2012	
	Sa 8:30am - 6:00pm	BA 102
	Meets 1/28, 2/11, 2/25.	

BULM734 **Assessing and Managing Supply Chain Risks**

BULM734 Assessing and Managing Supply Chain Risks; (3 credits) Grade Method: REG.

For majors only. Supply chain managers are facing an increasingly volatile operating environment, with constant danger of trading community disruption from business, social and environmental risks. Students are provided with a working knowledge of both the core techniques of supply chain risk assessment and mitigation; as well as best practices in establishing formal corporate supply chain risk management programs. A semester-long X-Treme Supply Chain Simulation will enable students to gain hands-on experience in navigating a computer company through a complex and risky four quarters of global business operations.

0101	Sandor Boyson **Meets January 23, 2012 - May 11, 2012** Th 3:00pm - 5:40pm	Seats (Total: 17) VMH 1520
0501	Sandor Boyson **Meets January 23, 2012 - May 11, 2012** Th 3:00pm - 5:40pm	Seats (Total: 0) VMH 1520

BULM736 **Executives in Supply Chain Management**

BULM736 Executives in Supply Chain Management; (3 credits) Grade Method: REG.

For majors only. Designed to provide students an opportunity to engage in intensive interaction with senior supply chain executives from a cross-section of industries. Executives share their insights on leading competitive supply chains in the global marketplace, while students research the competitive supply chain dynamics of each executive's industry.

0101	Lisa Harrington **Meets January 23, 2012 - May 11, 2012** Tu 7:00pm - 9:40pm	Seats (Total: 17) VMH 1520
0501	Lisa Harrington **Meets January 23, 2012 - May 11, 2012** Tu 7:00pm - 9:40pm	Seats (Total: 0) VMH 1520

BULM744 **Global Supply Chain Risk Management**

BULM744 Global Supply Chain Risk Management; (2 credits) Grade Method: REG.

For majors only or permission of department. Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

DC06	Sandor Boyson	Seats (Total: 40)
	Meets March 3, 2012 - April 1, 2012	
	SaSu 8:30am - 6:00pm	DC C4
	Meets 3/3, 3/17, and Sunday 4/1.	

BULM758B **Special Topics in Logistics, Business and Public Policy; Capstone Learning Project**

BULM758B Special Topics in Logistics, Business and Public Policy: Capstone Learning Project; (3 credits) Grade Method: REG.

0501	Martin Dresner	Seats (Total: 23)
	Meets January 23, 2012 - May 11, 2012	
	W 5:00pm - 7:40pm	VMH 1415

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Spring 2012

BUMK701 **Marketing Research Methods**

BUMK701 Marketing Research Methods; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisites: BUSI 630 and BUSI 650. Credit will be granted for only one of the following: BMGT 752 or BUMK 701. Formerly BMGT752. The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

0101	Joydeep Srivastava **Meets January 23, 2012 - March 9, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 38) VMH 1518

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisite: BUSI 650. Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.

0101	Michel Wedel **Meets January 23, 2012 - March 9, 2012** MW 3:00pm - 4:50pm	Seats (Total: 40) VMH 1520
DC01	Michel Wedel **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 41) DC C4

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI650. For Business Majors only. Credit will be granted for only one of the following: BMGT754 or BUMK715. Formerly BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Rebecca Ratner **Meets January 23, 2012 - March 9, 2012** MW 3:00pm - 4:50pm	Seats (Total: 38) VMH 1518
0201	Rebecca Ratner **Meets January 23, 2012 - March 9, 2012** MW 1:00pm - 2:50pm	Seats (Total: 38) VMH 1518
DC06	Rosellina Ferraro **Meets January 28, 2012 - March 17, 2012** Sa 8:40am - 12:50pm *Meets 1/28, 2/4, 2/11, 2/25, 3/3, 3/10, Final 3/17.*	Seats (Total: 40) DC C2
GS01	Rosellina Ferraro **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMK731 Business-to-Business Marketing

BUMK731 Business-to-Business Marketing; (2 credits) Grade Method: REG. *Cannot be repeated for 3 credits. Prerequisite: BUSI 650.* Focus is large fraction of marketing activity directed at organizational customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

GS01	Robert Krapfel	Seats (Total: 40)
	Meets March 26, 2012 - May 11, 2012	
	W 6:25pm - 10:00pm	BLD2 3032

BUMK736 **Service Marketing and Management**

BUMK736 Service Marketing and Management; (2 credits) Grade Method: REG. *Cannot be repeated for 3 credits. Prerequisite: BUSI 650.* Examines special challenges service marketing poses for managers because of the intangible, heterogeneous nature of the product, and the critical role of customer contact employees in service delivery. Strategies for meeting these challanges are addressed. Topics include 1) customer relationship management, 2) the design and execution of the service delivery process, 3) the development and implementation of employee customer service skills, 4) the measurement and management of critical outcome variables, such as customer satisfaction, customer equity, and customer lifetime value, and 5) the role of emerging technology in customer service.

0101	Janet Wagner	Seats (Total: 38)
	Meets March 26, 2012 - May 11, 2012	
	TuTh 10:30am - 12:20pm	VMH 1518

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Credit will be granted for only one of the following: BMGT 757 or BUMK 757. Formerly BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Gabriel Biehal **Meets January 23, 2012 - March 9, 2012** MW 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
0201	Gabriel Biehal **Meets March 26, 2012 - May 11, 2012** TuTh 8:30am - 10:20am	Seats (Total: 38) VMH 1518
DC06	Gabriel Biehal **Meets March 24, 2012 - May 14, 2012** Sa 8:40am - 12:50pm *Meets 3/24, 3/31,4/14, 4/21, 4/28, 5/12, Final 5/19.*	Seats (Total: 40) DC C2

BUMK758A **Special Topics in Marketing; Market Forecasting**

BUMK758A Special Topics in Marketing: Market Forecasting; (2 credits) Grade Method: REG.

0101	Wendy Moe **Meets March 26, 2012 - May 11, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1520

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

BUMK758O Special Topics in Marketing: Social Media and Internet Marketing; (2 credits) Grade Method: REG.

0101	Michael Trusov **Meets January 23, 2012 - March 9, 2012** MW 8:30am - 10:20am	Seats (Total: 40) VMH 1511
BA01	Michael Trusov **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUMK758P **Special Topics in Marketing; New Product Development**

BUMK758P Special Topics in Marketing: New Product Development; (2 credits)
Grade Method: REG.
Click here for more information..

0101	Yogesh Joshi **Meets March 26, 2012 - May 11, 2012** MW 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
0201	Yogesh Joshi **Meets March 26, 2012 - May 11, 2012** MW 1:00pm - 2:50pm	Seats (Total: 38) VMH 1518
DC01	Yogesh Joshi **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C5

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Spring 2012

BUMO712 **Leadership Development**

For weekend courses, students are responsible for checking their schedul groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMO712 Leadership Development; (3 credits) Grade Method: REG.

Prerequisite: BUSI664. For BMGT majors only. Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

GS01	Karen Wouters	Seats (Total: 40)
	Meets January 23, 2012 - May 11, 2012	
	Th 6:30pm - 9:10pm	BLD3 4202

BUMO714 **Competitive and Collaborative Negotiation**

BUMO714 Competitive and Collaborative Negotiation; (2 credits) Grade Method: REG.

Corequisite: BUMO715. For majors only. Credit will be granted for only one of the following: BUMO 714 or BMGT764. Formerly BMGT764. Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

DC06	Martin Sullivan	Seats (Total: 40)
	Meets January 28, 2012 - March 17, 2012	
	Sa 1:40pm - 5:50pm	DC C2
	Meets 1/28, 2/4, 2/11, 2/25, 3/3, 3/10, Final 3/17.	

GS01	Gosia Langa	Seats (Total: 40)
	Meets January 23, 2012 - March 9, 2012	
	Tu 6:25pm - 10:00pm	BLD3 3202

BUMO720 **Understanding Organizational Change**

BUMO720 Understanding Organizational Change; (2 credits) Grade Method: REG.
Prerequisite: BUSI662 or BUSI664. For BMGT majors only. Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

0101	Myeong-Gu Seo	Seats (Total: 38)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 3:00pm - 4:50pm	VMH 1518

BUMO721 **Managing Organizational Change**

BUMO721 Managing Organizational Change; (2 credits) Grade Method: REG.
Prerequisite: BUMO720. For majors only. Develops the advanced knowledge and skills of MBA students who plan to work with organizations as change agents. Concrete and useful strategies, tools, and interventions for diagnosing organizational change situations, analyzing problems, and designing and implementing organizational change. Diverse approaches to leading and managing various types of organizational change.

0101	Myeong-Gu Seo	Seats (Total: 38)
	Meets March 26, 2012 - May 11, 2012	
	TuTh 3:00pm - 4:50pm	VMH 1518

BUMO725 **Networks and Influence**

BUMO725 Networks and Influence; (2 credits) Grade Method: REG.
For MBA majors only. Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

0101	Kathryn Bartol **Meets January 23, 2012 - March 9, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1520
BA01	Kathryn Bartol **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 102
DC01	Kathryn Bartol **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 41) DC C2

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (2 credits) Grade Method: REG.
Prerequisite: completion of the MBA core requirements or permission of department. Corequisite: BUSI 690. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

DC01	Kenneth Gabriel **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 41) DC C2

BUMO752 **Strategic Growth for Emerging Companies**

BUMO752 Strategic Growth for Emerging Companies; (2 credits) Grade Method: REG.

For MBA majors only. Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

0101	Jonathan Aberman	Seats (Total: 40)
	Meets March 26, 2012 - May 11, 2012	
	MW 8:30am - 10:20am	VMH 1511

BUMO756 **Industry Analysis**

BUMO756 Industry Analysis; (2 credits) Grade Method: REG.

For majors only. Recommended: BUSI690. Credit will be granted for only one of the following: BMGT792 or BUMO756. Formerly BMGT792. Conceptual framework and analytical tools for understanding the dynamics of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.

0101	Paulo Prochno, William Whyman	Seats (Total: 40)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 8:30am - 10:20am	VMH 1505

BUMO758D **Special Topics in Management and Organization; Social Entrepreneurship**

DC06	James Sanders	Seats (Total: 40)
	Meets March 24, 2012 - May 19, 2012	
	Sa 1:40pm - 5:50pm	DC C5
	Meets 3/24, 3/31, 4/14, 4/21, 4/28, 5/12, Final 5/19.	

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

0101	Protiti Dastidar	Seats (Total: 40)
	Meets March 26, 2012 - May 11, 2012	
	MW 1:00pm - 2:50pm	VMH 1511

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO777 **Technology Commercialization**

BUMO777 Technology Commercialization; (3 credits) Grade Method: REG. *For majors only.* Students will build commercialization plans for University of Maryland Technologies protected by the Office of Technology Commercialization. Students will learn different mechanisms for successful technology transfer and work closely with the instructor, the Dingman Center managing director and affiliated professionals. Successful students may pursue additional funding through the Dingman Center to support further commercialization efforts.

0101	Brent Goldfarb	Seats (Total: 40)
	Meets January 23, 2012 - May 11, 2012	
	W 3:00pm - 6:00pm	VMH 2505
	This course will meet on Friday 1/27 from 9am-5pm, Friday 2/3 from 9am-1pm, then on various Wednesdays 2/8, 3/14, 4/11, and 5/9 at the listed time.	

BUMO794 **Essentials of Negotiation**

BUMO794 Essentials of Negotiation; (2 credits) Grade Method: REG.
Restricted to BMSB program. This highly experiential course will improve students' negotiation skills and capacity to acquire and effectively use bargaining power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to claim value and achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students' negotiating self-confidence and improve students' analytical and decision-making skills (e.g., understanding bargaining zones, knowing when an agreement can be made and when to walk away; learning how to prepare for negotiations), interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Gosia Langa **Meets January 23, 2012 - March 9, 2012** MW 3:00pm - 4:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1511
GS06	Gosia Langa **Meets April 14, 2012 - May 12, 2012** Sa 8:30am - 5:50pm *For MS in Accounting students only. Meets 4/14, 4/28, 5/12.*	Seats (Total: 0) Location: TBA

BUMO796 **Leadership and Human Resource Management for Accountants and Auditors**

BUMO796 Leadership and Human Resource Management for Accountants and Auditors; (3 credits) Grade Method: REG.
Restricted to BMSB program. Develops the concepts, frameworks, and skills that are important to be effective leaders and to successfully manage human resources. Topics for discussion include: Creating a motivating and empowering environment; leadership attributes, power and effective influence; building effective decision-making; strategic management of human resources; specification of the skills and competencies requisite for job success; recruiting and selecting employees to fit the job and the organization; measuring, appraising and improving performance. All of the topics selected for discussion are critical ones that every professional needs to know, regardless of functional area (not just HR professionals), and will help students become more effective consultants, managers and leaders.

0501	Mark Wellman	Seats (Total: 0)
	Meets March 26, 2012 - May 11, 2012	
	MW 3:00pm - 5:45pm	VMH 1520
	For MS in Accounting students only.	

BUSI Part-Time MBA Program Spring 2012

BUSI611 **Managerial Accounting**

BUSI611 *(PermReq)* **Managerial Accounting; (2 credits)** Grade Method: REG. *Prerequisite: BUSI610. For BMGT majors only.* Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

0101	Shijun Cheng	Seats (Total: 0)
	Meets January 23, 2012 - March 9, 2012	
	MW 1:00pm - 2:50pm	VMH 1505
0201	Shijun Cheng	Seats (Total: 0)
	Meets January 23, 2012 - March 9, 2012	
	MW 10:30am - 12:20pm	VMH 1505
BA04	Michael Finch	Seats (Total: 0)
	Meets January 28, 2012 - March 10, 2012	
	W 6:00pm - 10:00pm Sa 8:30am - 12:50pm	BA 101 BA 101
	Meets 1/28, 2/1, 2/11, 2/15, 2/25, 2/29, Final 3/10.	
GS04	Michael Finch	Seats (Total: 0)
	Meets March 17, 2012 - April 28, 2012	
	Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm	BLD3 2032 BLD3 2032
	Meets 3/17, 3/20, 3/31, 4/3, 4/14, 4/17, Final 4/28.	

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *For Majors only or permission of department. Credit will be granted for only one of the following: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0101	Henry Lucas **Meets January 23, 2012 - March 9, 2012** TuTh 3:00pm - 4:50pm	Seats (Total: 50) VMH 1505
0201	Ritu Agarwal **Meets January 23, 2012 - March 9, 2012** MW 3:00pm - 4:50pm	Seats (Total: 50) VMH 1505
BA01	Sunil Mithas **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Anand Gopal **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC02	Anand Gopal **Meets March 26, 2012 - May 11, 2012** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC06	Sunil Mithas **Meets January 7, 2012 - March 10, 2012** Sa 2:00pm - 6:15pm *Meets 1/7, 1/14, 1/28, 2/4, 2/18, 2/25, Final 3/10.*	Seats (Total: 50) DC C1
GS01	Sunil Mithas **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD3 3202

BUSI622 **Managing Digital Business Markets**

BUSI622 Managing Digital Business Markets; (2 credits) Grade Method: REG. *For majors only or permission of department.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0101	Il-Horn Hann **Meets January 23, 2012 - March 9, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 50) VMH 1505
0201	Il-Horn Hann **Meets January 23, 2012 - March 9, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 50) VMH 1505
BA01	Guodong Gao **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 50) BA 104
DC01	Joseph Bailey **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) DC C2
DC06	Il-Horn Hann **Meets January 7, 2012 - March 10, 2012** Sa 2:00pm - 6:15pm *Meets 1/7, 1/14, 1/28, 2/4, 2/18, 2/25, Final 3/10.*	Seats (Total: 50) DC C4
DC07	Joseph Bailey **Meets March 24, 2012 - May 19, 2012** Sa 1:40pm - 5:50pm *Meets 3/24, 3/31, 4/14, 4/21, 4/28, 5/12, Final 5/19.*	Seats (Total: 50) DC C3
GS01	Guodong Gao **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD2 3032

BUSI630 **Data, Models and Decisions**

BUSI630 *(PermReq)* **Data, Models and Decisions; (2 credits)** Grade Method: REG. *For BMGT majors only.* Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Margret Bjarnadottir **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Tunay Tunca **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Margret Bjarnadottir **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Tunay Tunca **Meets January 28, 2012 - March 17, 2012** Sa 8:40am - 12:50pm *Meets 1/28, 2/4, 2/11, 2/25, 3/3, 3/10, Final 3/17.*	Seats (Total: 0) DC C3
GS01	Margret Bjarnadottir **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *For majors only or permission of department.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

0101	Zhi-Long Chen **Meets March 26, 2012 - May 11, 2012** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505

0201	Zhi-Long Chen **Meets March 26, 2012 - May 11, 2012** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
0501	Wedad Elmaghraby **Meets March 26, 2012 - May 11, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 0) VMH 1518
BA04	Pamela Armstrong **Meets March 21, 2012 - April 25, 2012** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 3/21, 3/24, 4/4, 4/7, 4/18, 4/21, Final 4/25.*	Seats (Total: 0) BA 101 BA 101
GS04	Pamela Armstrong **Meets March 13, 2012 - April 24, 2012** Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 3/13, 3/17, 3/27, 3/31, 4/10, 4/14, Final 4/24.*	Seats (Total: 0) BLD3 2032 BLD3 2032

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (2 credits)** Grade Method: REG. *For BMGT majors only.* Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.

BA01	Richmond Mathews **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Alexander Triantis **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Alexander Triantis **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1

DC06	Richmond Mathews **Meets March 24, 2012 - May 19, 2012** Sa 8:40am - 12:50pm *Meets 3/24, 3/31, 4/14, 4/21, 4/28, 5/12, Final 5/19.*	Seats (Total: 0) DC C3
GS01	Alexander Triantis **Meets March 26, 2012 - May 11, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Diane Whitney **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) BA 104
BA04	Janet Wagner **Meets January 25, 2012 - March 7, 2012** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 1/25, 1/28, 2/8, 2/11, 2/22, 2/25, Final 3/7.*	Seats (Total: 0) BA 101 BA 101
DC01	Diane Whitney **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Robert Krapfel **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C1

DC06	Robert Krapfel **Meets January 28, 2012 - March 17, 2012** Sa 1:40pm - 5:50pm *Meets 1/28, 2/4, 2/11, 2/25, 3/3, 3/10, Final 3/17.*	Seats (Total: 0) DC C3
GS01	Joydeep Srivastava **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032
GS04	Richard Newman **Meets January 24, 2012 - March 6, 2012** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 1/24, 1/28, 2/7, 2/11, 2/21, 2/25, Final 3/6.*	Seats (Total: 0) BLD3 4202 BLD3 4202

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660.* Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Brent Goldfarb **Meets March 26, 2012 - May 11, 2012** TuTh 3:00pm - 4:50pm	Seats (Total: 40) VMH 1505
BA01	David Kirsch **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Brent Goldfarb **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 50) DC C2

GS01	David Kirsch **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4202

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.

For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

0101	Oliver Schlake **Meets March 26, 2012 - May 11, 2012** MW 3:00pm - 4:50pm	Seats (Total: 40) VMH 1505
BA01	Oliver Schlake **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 104
DC01	Oliver Schlake **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3
GS01	Oliver Schlake **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 3202

BUSI662 **Leadership and Teamwork**

BUSI662 *(PermReq)* **Leadership and Teamwork; (2 credits)** Grade Method: REG.
For BMGT majors only. Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

BA04	Gilad Chen **Meets May 5, 2012 - May 23, 2012** W 6:00pm - 10:00pm Sa 8:30am - 6:00pm *Meets 5/5, 5/9, 5/16, 5/19, Final 5/23.*	Seats (Total: 0) BA 101 BA 101
GS04	Karen Wouters **Meets April 28, 2012 - May 22, 2012** Tu 6:00pm - 10:00pm Sa 9:00am - 5:40pm *Meets on Tuesdays 5/1, 5/8, 5/15 from 6-10pm, Saturday 4/28 from 12:30p -5:50pm and Saturday 5/12 from 9am-5:40pm.*	Seats (Total: 0) BLD3 2032 BLD3 2032

BUSI667 **Cross-Cultural Communication and Teamwork**

BUSI667 *(PermReq)* **Cross-Cultural Communication and Teamwork; (2 credits)** Grade Method: REG.
For majors only or permission of department. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

BA01	Subrahmaniam Tangirala **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Gosia Langa **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Subrahmaniam Tangirala **Meets March 26, 2012 - May 11, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3

DC06	Hui Liao **Meets March 17, 2012 - May 26, 2012** Sa 8:45am - 1:00pm *Meets 3/17, 3/31, 4/7, 4/21, 4/28, 5/12, Final 5/26.*	Seats (Total: 0) DC C1
GS01	Hui Liao **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032

BUSI672 **Global Supply Chain Management**

BUSI672 Global Supply Chain Management; (2 credits) Grade Method: REG. *For majors only.* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

DC01	Thomas Corsi **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 56) DC C3
DC06	Thomas Corsi **Meets March 17, 2012 - May 26, 2012** Sa 2:00pm - 6:15pm *Meets 3/17, 3/31, 4/7, 4/21, 4/28, 5/12, Final 5/26.*	Seats (Total: 50) DC C4
GS01	Sandor Boyson **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4202

BUSI673 **International Economics for Managers**

BUSI673 International Economics for Managers; (2 credits) Grade Method: REG. *For majors only.* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

0101	Wilbur Chung **Meets March 26, 2012 - May 11, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1505
BA01	Wilbur Chung **Meets March 26, 2012 - May 11, 2012** Th 6:25pm - 10:00pm	Seats (Total: 50) BLD2 2032
GS01	Wilbur Chung **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 3202

BUSI674 **Globalizing the Enterprise**

BUSI674 Globalizing the Enterprise; (2 credits) Grade Method: REG. *For majors only or permission of department.* Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantagein a global context?

BA01	Natasha Munshi **Meets March 26, 2012 - May 11, 2012** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 104
DC01	Vinod Jain **Meets March 26, 2012 - May 11, 2012** M 6:25pm - 10:00pm	Seats (Total: 56) DC C3

DC06	Anil Gupta	Seats (Total: 50)
	Meets March 17, 2012 - May 26, 2012	
	Sa 2:00pm - 6:15pm	DC C1
	Meets 3/17, 3/31, 4/7, 4/21, 4/28, 5/12, Final 5/26.	

BUSI683 **The Global Economic Environment**

BUSI683 *(PermReq)* **The Global Economic Environment; (2 credits)** Grade Method: REG.
For BMGT majors only. Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA04	Cristian Dezso	Seats (Total: 0)
	Meets March 14, 2012 - May 2, 2012	
	W 6:00pm - 10:00pm Sa 8:30am - 12:50pm	BA 101 BA 101
	Meets 3/14, 3/24, 3/28, 4/7, 4/11, 4/21, Final 5/2.	
GS04	Cristian Dezso	Seats (Total: 0)
	Meets January 28, 2012 - March 10, 2012	
	Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm	BLD3 4202 BLD3 4202
	Meets 1/28, 1/31, 2/11, 2/14, 2/25, 2/28, Final 3/10.	

BUSI698 **MBA Consulting Project**

BUSI698 *(PermReq)* **MBA Consulting Project; (3-6 credits)** Grade Method: REG.
The initial meeting for all sections of BUSI698 will be Sunday, January 29th from 9am-5pm in VMH 1330.

0101	Melissa Carrier	Seats (Total: 6)
	Meets January 23, 2012 - May 11, 2012	
	Contact instructor or department for details.	

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI758K **Special Topics in Business; Capitalism: How it Works**

BUSI758K Special Topics in Business: Capitalism: How it Works; (2 credits) Grade Method: REG.
Click here for more course information.

0101	David Sicilia	Seats (Total: 50)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 10:30am - 12:20pm	VMH 1520

BUSI758L **Special Topics in Business; Managers in Society: Ethical Leadership**

BUSI758L Special Topics in Business: Managers in Society: Ethical Leadership; (2 credits) Grade Method: REG.

0101	Shreevardhan Lele	Seats (Total: 50)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 10:30am - 12:20pm	VMH 1511
0201	Shreevardhan Lele	Seats (Total: 50)
	Meets January 23, 2012 - March 9, 2012	
	TuTh 1:00pm - 2:50pm	VMH 1511

BUSI758P **Special Topics in Business; Current Issues in Federal Acquisition**

BUSI758P Special Topics in Business: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG.
Also offered as ENSE698F and PUAF689F.

0101	Jacques Gansler	Seats (Total: 20)
	M 4:15pm - 6:45pm	Location: TBA

BUSI758R **Special Topics in Business; Social Responsibility in Business**

BUSI758R *(PermReq)* **Special Topics in Business: Social Responsibility in Business; (2 credits)** Grade Method: REG.

BA01	Robert Rhee **Meets January 23, 2012 - March 9, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Brian Nelson **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Brian Nelson **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Brian Nelson **Meets January 7, 2012 - March 10, 2012** Sa 8:45am - 1:00pm *Meets 1/7, 1/14, 1/28, 2/4, 2/18, 2/25, Final 3/10.*	Seats (Total: 0) DC C1
GS01	Robert Rhee **Meets January 23, 2012 - March 9, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032

BUSI758Y **Special Topics in Business; Games of Strategy**

BUSI758Y Special Topics in Business: Games of Strategy; (2 credits) Grade Method: REG.

DC01	Rui Zhao **Meets January 23, 2012 - March 9, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2
GS01	Rui Zhao **Meets January 23, 2012 - March 9, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD3 3202

BUSI758Z **Special Topics in Business; Economics of Incentives**

BUSI758Z Special Topics in Business: Economics of Incentives; (2 credits) Grade Method: REG.

DC01	Rui Zhao **Meets March 26, 2012 - May 11, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (2 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT 794 or BUSI 761. Formerly BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

GS01	Peter Morici **Meets January 28, 2012 - February 18, 2012** SaSu 8:30am - 5:50pm *Meets 1/28, 1/29, 2/18.*	Seats (Total: 40) BLD3 3202

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (2 credits) Grade Method: REG.
Prerequisite: BUSI640 or permission of department. Credit will be granted for only one of the following: BMGT740 or BUSI771. Formerly BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government).

0101	Jonathan Aberman **Meets January 23, 2012 - March 9, 2012** MW 1:00pm - 2:50pm	Seats (Total: 40) VMH 1511
GS01	Jonathan Aberman **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD3 3230

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
For majors only or permission of department. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0101	Barnet Corwin **Meets January 23, 2012 - March 9, 2012** TuTh 8:30am - 10:20am	Seats (Total: 38) VMH 1518
BA01	Barnet Corwin **Meets March 26, 2012 - May 11, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUSI788B **Introduction to Global Business Experience; Doing Business in Brazil: Emerging Global Companies**

BUSI788B Introduction to Global Business Experience: Doing Business in Brazil: Emerging Global Companies; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798B).

BA01	Paulo Prochno Contact instructor or department for details.	Seats (Total: 36)

BUSI788E **Introduction to Global Business Experience; Doing Business in the European Union: Energy Strategy and Policies**

BUSI788E Introduction to Global Business Experience: Doing Business in the European Union: Energy Strategy and Policies; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798E).

BA01	Charles Olson	Seats (Total: 30)
	Contact instructor or department for details.	

BUSI788Q **Introduction to Global Business Experience; Doing Business in the UK and Iceland: The Financial Meltdown**

BUSI788Q Introduction to Global Business Experience: Doing Business in the UK and Iceland: The Financial Meltdown; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Summer travel course (BUSI798Q).

BA01	Colin Linsley	Seats (Total: 30)
	Contact instructor or department for details.	

BUSI798B **Global Business Experience; Doing Business in Brazil: Emerging Global Companies**
Contact department for information to register for this course.

BUSI798E **Global Business Experience; Doing Business in the European Union: Energy Strategy and Policies**
Contact department for information to register for this course.

BUSI798L **Global Business Experience; Chile: International Consulting Project**
Contact department for information to register for this course.

BUSI798Q **Global Business Experience; International Consulting Project (Tunisia)**
Contact department for information to register for this course.

BUSI798X **Global Business Experience; International Consulting Project (Uruguay)**
Contact department for information to register for this course.

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Spring 2012

CBMG688B **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

CBMG688B Special Topics in Cell Biology and Molecular Genetics: Genetics: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	Anne Simon	Seats (Total: 20)
	Meets March 19, 2012 - May 10, 2012	
	M 8:00am - 10:00am	MCB 2119

CBMG688C **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688C Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 40)
	Contact instructor or department for details.	

CBMG688F **Special Topics in Cell Biology and Molecular Genetics; Genetics I: Gene Expression**

CBMG688F Special Topics in Cell Biology and Molecular Genetics: Genetics I: Gene Expression; (2 credits) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 35)
	Meets January 25, 2012 - March 18, 2012	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688I **Special Topics in Cell Biology and Molecular Genetics; Genetics II**

CBMG688I *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Genetics II; (2 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Mount **Meets March 19, 2012 - May 10, 2012** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1207

CBMG688L **Special Topics in Cell Biology and Molecular Genetics; Microbial Pathogenesis**

CBMG688L Special Topics in Cell Biology and Molecular Genetics: Microbial Pathogenesis; (2 credits) Grade Method: REG/AUD.

0101	Volker Briken, Kevin McIver **Meets January 25, 2012 - March 18, 2012** MW 8:00am - 10:00am	Seats (Total: 20) MCB 1123

CBMG688O **Special Topics in Cell Biology and Molecular Genetics; Molecular Systematics**

CBMG688O Special Topics in Cell Biology and Molecular Genetics: Molecular Systematics; (2-3 credits) Grade Method: REG/AUD.

0101	Charles Delwiche MW 4:00pm - 6:00pm *This section is for students wanting 3 credits .*	Seats (Total: 20) PLS 1184
0201	Charles Delwiche **Meets January 25, 2012 - March 18, 2012** MW 4:00pm - 6:00pm *This section is for students wanting 2 credits.*	Seats (Total: 5) PLS 1184

CBMG688R **Special Topics in Cell Biology and Molecular Genetics; Plant II: Plant Development and Physiology**

CBMG688R Special Topics in Cell Biology and Molecular Genetics: Plant II: Plant Development and Physiology; (2 credits) Grade Method: REG/AUD.

0101	June Kwak, Heven Sze **Meets March 19, 2012 - May 10, 2012** MW 4:00pm - 6:00pm	Seats (Total: 20) HJP 1216

CBMG688X **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688X Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Anne Simon	Seats (Total: 20)
	F 3:00pm - 5:00pm	HJP 1216

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Th 2:00pm - 3:00pm	BRB 1103

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	F 3:30pm - 6:00pm	HJP 2242

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser	Seats (Total: 20)
	F 9:00am - 10:30am	BRB 3101

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology; (1 credit) Grade Method: REG/AUD.

0101	Caren Chang	Seats (Total: 20)
	M 12:00pm - 1:00pm	HJP 2242

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 10)
	F 9:30am - 10:30am	MCB 1121

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Spring 2012

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Kathryn Zafft MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 30) LEF 2205 LEF 1220	 Discussion
0102	Kathryn Zafft MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 30) LEF 2205 TYD 1108	 Discussion
0103	Kathryn Zafft MW 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 LEF 1220	 Discussion
0104	Kathryn Zafft MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 LEF 1201	 Discussion
0105	Kathryn Zafft MW 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) LEF 2205 TYD 1118	 Discussion
0106	Kathryn Zafft MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 30) LEF 2205 LEF 1201	 Discussion
0107	Kathryn Zafft MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 LEF 1220	 Discussion
0108	Kathryn Zafft MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 TYD 1108	 Discussion

0201	Stephen McGuinn MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0202	Stephen McGuinn MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 32) SKN 0200 WDS 0104	Discussion
0203	Stephen McGuinn MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 LEF 1220	Discussion
0204	Stephen McGuinn MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 LEF 1220	Discussion
0205	Stephen McGuinn MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 32) SKN 0200 TYD 1118	Discussion
0206	Stephen McGuinn MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 32) SKN 0200 KEY 1117	Discussion
0207	Stephen McGuinn MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 32) SKN 0200 LEF 1220	Discussion
0208	Stephen McGuinn MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 LEF 1220	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Kiminori Nakamura MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 31) TYD 0130 LEF 1201	Discussion
0102	Kiminori Nakamura MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 31) TYD 0130 KEY 1117	Discussion
0103	Kiminori Nakamura MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 31) TYD 0130 KEY 1117	Discussion
0104	Kiminori Nakamura MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 WDS 1114	Discussion
0105	Kiminori Nakamura MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 KEY 1117	Discussion
0106	Kiminori Nakamura MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 31) TYD 0130 KEY 1117	Discussion
0107	Kiminori Nakamura MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 31) TYD 0130 JMP 2202	Discussion
0108	Kiminori Nakamura MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 WDS 1114	Discussion
0201	Brendan Dooley TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 31) CHM 1407 ASY 3207	Discussion
0202	Brendan Dooley TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 31) CHM 1407 SKN 1115	Discussion

0203	Brendan Dooley TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 31) CHM 1407 KEY 1117	Discussion
0204	Brendan Dooley TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 31) CHM 1407 TYD 0101	Discussion
0205	Brendan Dooley TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 31) CHM 1407 KEY 1117	Discussion
0206	Brendan Dooley TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 31) CHM 1407 KEY 1117	Discussion
0207	Brendan Dooley TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 31) CHM 1407 KEY 1117	Discussion
0208	Brendan Dooley TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 31) CHM 1407 JMP 1202	Discussion
0301	Brendan Dooley TuTh 12:30pm - 1:20pm M 2:00pm - 2:50pm	Seats (Total: 31) SKN 0200 TYD 0111	Discussion
0302	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 31) SKN 0200 HBK 0108	Discussion
0303	Brendan Dooley TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 31) SKN 0200 SQH 1117	Discussion
0304	Brendan Dooley TuTh 12:30pm - 1:20pm W 3:00pm - 3:50pm	Seats (Total: 31) SKN 0200 COL 0113	Discussion

0305	Brendan Dooley TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 31) SKN 0200 LEF 1201	 Discussion
0306	Brendan Dooley TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 31) SKN 0200 HBK 0109	 Discussion
0307	Brendan Dooley TuTh 12:30pm - 1:20pm W 2:00pm - 2:50pm	Seats (Total: 31) SKN 0200 COL 0113	 Discussion
0308	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 31) SKN 0200 TYD 1114	 Discussion

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C- or higher. Restricted to CCJS majors. All others require permission. Permission must be obtained from the CCJS Advising Office. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, and SOCY201. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Laura Dugan TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 LEF 1220	 Discussion
0102	Laura Dugan TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 ARM 0121	 Discussion

0103	Laura Dugan TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 ARM 0121	Discussion
0104	Laura Dugan TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 KEY 1117	Discussion
0105	Laura Dugan TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 HBK 0109	Discussion
0106	Laura Dugan TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 KEY 1117	Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 155) LEF 2205	
0201	Russell Hamill Th 4:00pm - 6:45pm	Seats (Total: 175) MMH 1400	

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 150) LEF 2205	

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) TYD 2111
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

0101	Thomas Mauriello MW 6:00pm - 7:15pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400
0201	Thomas Mauriello MW 7:30pm - 8:45pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0101	Matthew Fleming M 5:00pm - 7:45pm	Seats (Total: 50) SQH 1121
0201	Brendan Dooley TuTh 3:30pm - 4:45pm	Seats (Total: 50) LEF 2166
SG91	Robin Shusko MW 12:30pm - 1:45pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4212

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 80) SYM 0200

CCJS332 **Major Transitions: From Undergraduate to Professional**

CCJS332 *(PermReq)* **Major Transitions: From Undergraduate to Professional; (1 credit)** Grade Method: REG/P-F/AUD.
Sophomore standing. For CCJS majors only. This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Nicole Jackson Th 12:30pm - 1:45pm	Seats (Total: 75) TYD 1102

CCJS340 **Policing**

CCJS340 *(PermReq)* **Policing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 200) LEF 2205
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 150) LEF 2205

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Jay Horner TuTh 9:30am - 10:45am	Seats (Total: 150) MMH 1400
0201	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 154) BPS 1250

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Arnett Gaston TuTh 2:00pm - 3:15pm	Seats (Total: 180) LEF 2205

0102	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 180) LEF 2205
SG91	Mark Janney MW 9:30am - 10:45am *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4212

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**
Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: CCJS100 or equivalent. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Christine Roberts White W 2:00pm - 4:45pm	Seats (Total: 50) TYD 0102
0201	Margaret Hardy MWF 12:00pm - 12:50pm	Seats (Total: 45) TYD 2102
SG91	Christine Roberts White Tu 2:00pm - 3:15pm Class time/details on ELMs *Limit to CCJS students at Shady Grove.*	Seats (Total: 20) BLD3 4216 ONLINE

SG92	Christine Roberts White Tu 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) BLD3 4216 ONLINE

Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2010 BMGT- Shady Grove cohort students majoring in Management. This course is by permission only for students who need a diversity course. Other students may request enrollment on a space avaiable basis.UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Denise Gottfredson W 11:00am - 1:45pm	Seats (Total: 20) SQH 1103

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Contemporary Case Law**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Contemporary Case Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or CCJS105.

0101	Alvin Zumbrun TuTh 2:00pm - 3:15pm	Seats (Total: 41) ARM 0110

CCJS400 **Criminal Courts**

CCJS400 *(PermReq)* **Criminal Courts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or permission of department; and CCJS300. Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms.

0101	Alvin Zumbrun TuTh 12:30pm - 1:45pm	Seats (Total: 55) SYM 0200
SG91	Ryan Cotter Tu 6:15pm - 9:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4230

CCJS418A **Seminar in Criminology and Criminal Justice; Deterrence**

CCJS418A *(PermReq)* **Seminar in Criminology and Criminal Justice: Deterrence; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS 105, CCJS 200, and CCJS 300.

0101	Thomas Loughran Tu 4:00pm - 6:45pm	Seats (Total: 30) KEY 0121

CCJS418B **Seminar in Criminology and Criminal Justice; Cyber Crime**

CCJS418B *(PermReq)* **Seminar in Criminology and Criminal Justice: Cyber Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100, CCJS105 and permission of department.

0101	David Maimon TuTh 11:00am - 12:15pm	Seats (Total: 30) ARC 1105

CCJS418D **Seminar in Criminology and Criminal Justice; Regulating American Vices**

CCJS418D *(PermReq)* **Seminar in Criminology and Criminal Justice: Regulating American Vices; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required. Pre-requisites: CCJS 100, CCJS 105, CCJS 200 and CCJS 300.

0101	Peter Reuter W 4:00pm - 6:30pm	Seats (Total: 30) TLF 1101

CCJS418F **Seminar in Criminology and Criminal Justice; Serial Offending**

CCJS418F *(PermReq)* **Seminar in Criminology and Criminal Justice: Serial Offending; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequistes: CCJS100, CCJS105, and permission of department.

0101	Laura Dykstra MWF 9:00am - 9:50am	Seats (Total: 45) TYD 0111

CCJS440 **Security Administration**

CCJS440 *(PermReq)* **Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. Credit will be granted for only one of the following: CCJS440 or CCJS498Z. Formerly CCJS498Z. Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.

0101	Barry Smith W 6:00pm - 8:45pm	Seats (Total: 50) SQH 1120

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	Stan Malm W 5:00pm - 7:45pm	Seats (Total: 50) LEF 2205

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Brendan Dooley MW 3:00pm - 4:15pm	Seats (Total: 100) KEY 0106

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston TuTh 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0201	Shawn Flower Tu 4:00pm - 6:45pm	Seats (Total: 60) TYD 2109
SG91	Eileen Ahlin TuTh 9:30am - 10:45am *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 3220

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	Melissa Rorie	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	SQH 1117

CCJS461 **Psychology of Criminal Behavior**
Contact department for information to register for this course.

CCJS498C **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

CCJS498C *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Police and Campus Interaction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Charles Wellford	Seats (Total: 32)
	MW 3:30pm - 4:45pm	LEF 1220

CCJS498I **Selected Topics in Criminology and Criminal Justice; Computer and Digital Forensics**

CCJS498I Selected Topics in Criminology and Criminal Justice: Computer and Digital Forensics; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Conroy	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	BLD3 3220
	Limit to CCJS students at Shady Grove.	

CCJS498R **Selected Topics in Criminology and Criminal Justice; Human Trafficking**

CCJS498R Selected Topics in Criminology and Criminal Justice: Human Trafficking; (3 credits) Grade Method: REG/P-F/AUD.

0101	Christine Roberts White	Seats (Total: 50)
	M 1:00pm - 3:45pm	SQH 1117

CCJS498X **Selected Topics in Criminology and Criminal Justice; Multidisciplinary Perspectives in Forensics**

CCJS498X Selected Topics in Criminology and Criminal Justice: Multidisciplinary Perspectives in Forensics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Wendy Stickle Th 3:00pm - 5:50pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 20) BLD3 4212

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Nicole Romeiser MW 11:00am - 12:15pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4212

CCJS600 **Criminal Justice**
Contact department for information to register for this course.

CCJS602 **Courts and Sentencing**

CCJS602 Courts and Sentencing; (3 credits) Grade Method: REG.
Research and theory on prosecution, plea-bargaining, sentencing principles and guidelines, and sentencing policies in practice. Mandatory minimum sentencing, "three strikes" laws, race, gender and class disparities, general and specific deterrent effects of sentencing, restitution and restorative justice, diversion and sentencing to treatment.

0101	Brian Johnson W 4:00pm - 6:45pm	Seats (Total: 20) LEF 1222

CCJS604 **Policy Analysis Project**

CCJS604 Policy Analysis Project; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS610 **Research Methods in Criminal Justice and Criminology**

CCJS610 Research Methods in Criminal Justice and Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: completion of research methods and statistics requirements for the M.A. Degree. Formerly CRIM610. Examination of special research problems and techniques.

0101	Terence Thornberry	Seats (Total: 23)
	Th 4:00pm - 6:45pm	LEF 1201

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS621 **General Linear Models in Criminal Justice Research**

CCJS621 General Linear Models in Criminal Justice Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620. Credit will be granted for only one of the following: CCJS498F or CCJS621. Formerly CCJS498F. An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

0101	Laura Dugan	Seats (Total: 25)
	M 4:00pm - 6:45pm	TYD 0111

CCJS651 **Seminar in Criminology**

CCJS651 Seminar in Criminology; (3 credits) Grade Method: REG/AUD.
Formerly CRIM651. Analysis of significant recent issues in Criminology.

0101	Charles Wellford Tu 4:00pm - 6:45pm	Seats (Total: 45) TYD 1118

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Litigation Law**
Contact department for information to register for this course.

CCJS678D **Advanced Topics in Criminology and Criminal Justice; International Law and Process**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699L **Special Criminological Problems; Seminar on Causal Inference**

CCJS699L Special Criminological Problems: Seminar on Causal Inference; (1-3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620, CCJS621, and CCJS710; or an equivalent course.

0101	Thomas Loughran Tu 10:00am - 12:45pm	Seats (Total: 20) Location: TBA

CCJS699M **Special Criminological Problems; Communities, Deviance, and Crime**

CCJS699M Special Criminological Problems: Communities, Deviance, and Crime; (3 credits) Grade Method: REG/AUD.

0101	David Maimon M 4:00pm - 6:45pm	Seats (Total: 20) LEF 1222

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Spring 2012

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

CHBE101 Introduction to Chemical and Biomolecular Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 or equivalent. Corequisite: MATH141. For CHBE majors only or permission of department. Credit will be granted for only one of the following: CHBE101 or ENCH215. Formerly ENCH215. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Dongxia Liu	Seats (Total: 85)	
	MWF 12:00pm - 12:50pm	KEB 1110	
	F 1:00pm - 1:50pm	SYM 0200	Discussion

CHBE250 **Computer Methods in Chemical Engineering**

CHBE250 *(PermReq)* **Computer Methods in Chemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101. Pre- or corequisite: MATH246. For CHBE majors only. Credit will be granted for only one of the following: CHBE250 or ENCH250. Formerly ENCH250. Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Nam Sun Wang	Seats (Total: 70)	
	MWF 10:00am - 10:50am	KEB 1110	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

CHBE302 **Chemical and Biomolecular Engineering Thermodynamics II**

CHBE302 *(PermReq)* **Chemical and Biomolecular Engineering Thermodynamics II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE301. Corequisite: CHBE250. For CHBE majors only and permission of department. Credit will be granted for only one of the following: CHBE302 or ENCH400. Formerly ENCH400. Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Mikhail Anisimov	Seats (Total: 80)	
	TuTh 9:30am - 10:45am	EGR 1202	
	F 1:00pm - 1:50pm	CHE 2108	Discussion

CHEM Chemistry Spring 2012

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1115	Lee Friedman TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1116	Lee Friedman TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1118	Lee Friedman TuTh 8:00am - 9:15am M 3:00pm - 3:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1135	Lee Friedman TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1136	Lee Friedman TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1138	Lee Friedman TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 32) CHM 1407 CHM 2201	Discussion
1214	John Ondov TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 32) CHM 1407 CHM 0128	Discussion

1215	John Ondov TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 32) CHM 1407 CHM 0128	Discussion
1218	John Ondov TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 32) CHM 1407 CHM 0128	Discussion
1234	John Ondov TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 32) CHM 1407 CHM 0128	Discussion
1235	John Ondov TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 32) CHM 1407 CHM 0128	Discussion
1238	John Ondov TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 32) CHM 1407 CHM 0128	Discussion
1314	Neil Blough TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 32) PHY 1412 CHM 0122	Discussion
1315	Neil Blough TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 32) PHY 1412 CHM 0122	Discussion
1317	Neil Blough TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 32) PHY 1412 CHM 0122	Discussion
1334	Neil Blough TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 32) PHY 1412 CHM 0122	Discussion
1335	Neil Blough TuTh 3:30pm - 4:45pm W 12:00pm - 12:50pm	Seats (Total: 32) PHY 1412 CHM 0122	Discussion

1337	Neil Blough TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 32) PHY 1412 CHM 0122	 Discussion
SES1	Ajay Mallya M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 35) CHM 1402 CHM 0124	 Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	 Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	 Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	 Lab
1231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	 Lab

1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1110	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1106	Lab
1342	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	Lab
1412	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab
1432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	Lab
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab

1531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1532	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
SES1	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1110	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Daniel Steffek MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3127	Daniel Steffek MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3128	Daniel Steffek MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3145	Daniel Steffek MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3147	Daniel Steffek MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion

3148	Daniel Steffek MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3224	Bonnie Dixon MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3227	Bonnie Dixon MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 23) CHM 1407 CHM 0119	Discussion
3228	Bonnie Dixon MWF 8:00am - 8:50am Tu 3:30pm - 4:20pm	Seats (Total: 23) CHM 1407 CHM 0119	Discussion
3244	Bonnie Dixon MWF 8:00am - 8:50am Th 11:00am - 11:50am	Seats (Total: 23) CHM 1407 CHM 0128	Discussion
3247	Bonnie Dixon MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 23) CHM 1407 CHM 0119	Discussion
3248	Bonnie Dixon MWF 8:00am - 8:50am Th 3:30pm - 4:20pm	Seats (Total: 23) CHM 1407 CHM 0119	Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.

Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. Students must pay a $40.00 lab materials fee.

3131	Natalia White M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
3231	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C- or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5116	Bonnie Dixon TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5117	Bonnie Dixon TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5118	Bonnie Dixon TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5136	Bonnie Dixon TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5137	Bonnie Dixon TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5138	Bonnie Dixon TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 30) EGR 1202 CHM 0124	Discussion
5221	Frederick Khachik MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 42) CHM 1407 CHM 0119	Discussion

5222	Frederick Khachik MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 42) CHM 1407 CHM 0115	Discussion
5225	Frederick Khachik MWF 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHM 0119	Discussion
5241	Frederick Khachik MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 42) CHM 1407 CHM 0119	Discussion
5242	Frederick Khachik MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 42) CHM 1407 CHM 0115	Discussion
5245	Frederick Khachik MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHM 0119	Discussion
5322	Herman Ammon MWF 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5325	Herman Ammon MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5328	Herman Ammon MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5342	Herman Ammon MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5345	Herman Ammon MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion

5348	Herman Ammon MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 0127	 Discussion
5421	Frederick Khachik MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
5427	Frederick Khachik MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
5428	Frederick Khachik MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
5441	Frederick Khachik MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
5447	Frederick Khachik MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
5448	Frederick Khachik MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 0115	 Discussion
SES1	Alan Anderson M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) CHM 1224 CHM 1224	 Discussion

SES2	Alan Anderson M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 1228	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C- or better in the prerequisitesis required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Students must pay a $40.00 lab materials fee.

5121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	 Lab
5122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	 Lab
5132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	 Lab
5135	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	 Lab
5141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	 Lab
5142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	 Lab

5143	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5223	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5224	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5225	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5234	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
5235	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1346	Lab
5242	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab
5243	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab

5311	Maryann Jones W 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5324	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
5332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5335	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
5421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5422	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab

5424	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5433	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5434	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
SES1	Maryann Jones W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1346	Lab
SES2	Maryann Jones W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1342	Lab

CHEM232S Organic Chemistry Laboratory I

CHEM232S Organic Chemistry Laboratory I; (1 credit) Grade Method: REG.
Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C- or better in the prerequisitesis required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233. Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Students must pay a $40.00 laboratory materials fee.

5133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	 Lab
5134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	 Lab
5321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	 Lab

CHEM237 **Principles of Organic Chemistry I**

CHEM237 Principles of Organic Chemistry I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in {CHEM131 and CHEM132} or {CHEM146 and CHEM147} or CHEM113 or CHEM133 or CHEM153 or permission of department is required for Life Science majors.. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM233 or CHEM237. The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy. Students must pay a $40.00 lab materials fee.

5411	Herman Sintim MWF 9:00am - 9:50am Th 8:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 18) CHM 1224 CHM 1360 CHM 0124	 Lab Discussion

5421	Herman Sintim	Seats (Total: 18)	
	MWF 9:00am - 9:50am Th 12:30pm - 3:20pm Tu 12:30pm - 1:20pm	CHM 1224 CHM 1360 CHM 0124	 Lab Discussion

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C- or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6121	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Tu 8:00am - 8:50am	HJP 0226 CHM 0128	 Discussion
6125	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	HJP 0226 CHM 1228	 Discussion
6127	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	HJP 0226 CHM 0122	 Discussion
6141	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Th 8:00am - 8:50am	HJP 0226 CHM 0128	 Discussion
6145	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	HJP 0226 CHM 1228	 Discussion
6147	Michael Montague-Smith	Seats (Total: 32)	
	MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	HJP 0226 CHM 0122	 Discussion

6222	Daniel Falvey MWF 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 32) HJP 0226 CHM 0128	Discussion
6225	Daniel Falvey MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 32) HJP 0226 CHM 2201	Discussion
6227	Daniel Falvey MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 32) HJP 0226 CHM 2201	Discussion
6242	Daniel Falvey MWF 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 32) HJP 0226 CHM 0128	Discussion
6245	Daniel Falvey MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 32) HJP 0226 CHM 2201	Discussion
6247	Daniel Falvey MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 32) HJP 0226 CHM 2201	Discussion
6321	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 1224	Discussion
6322	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0119	Discussion
6325	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0115	Discussion
6341	Lyle Isaacs MWF 3:00pm - 3:50pm Th 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 1224	Discussion

6342	Lyle Isaacs MWF 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0119	Discussion
6345	Lyle Isaacs MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0115	Discussion
SES1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) PLS 1140 PLS 1184	Discussion
SES2	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 19) PLS 1140 PLS 1176	Discussion

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C- or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 lab materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab

6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1326	Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6232	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1308	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab

6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6341	Daniel Steffek W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1308	Lab
6422	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6522	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
SES1	Daniel Steffek W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1326	Lab

SES2	Daniel Steffek W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1308	Lab

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C- or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2122	Alice Mignerey MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0122	Discussion
2124	Alice Mignerey MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0122	Discussion
2125	Alice Mignerey MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 0122	Discussion
2142	Alice Mignerey MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0122	Discussion
2144	Alice Mignerey MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0122	Discussion
2145	Alice Mignerey MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 0122	Discussion

2224	Jason Kahn MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2227	Jason Kahn MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2228	Jason Kahn MW 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion
2244	Jason Kahn MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2247	Jason Kahn MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2248	Jason Kahn MW 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion
SES1	Uche Udeochu M 6:00pm - 7:50pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) CHM 1228 CHM 2201	 Discussion

CHEM272 General Bioanalytical Chemistry Laboratory

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C- or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

7123	Lee Friedman F 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7131	Lee Friedman F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7132	Lee Friedman F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7331	Lee Friedman F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7332	Lee Friedman F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7421	Lee Friedman F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7422	Lee Friedman F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1111	 Lab
7531	Lee Friedman F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

7532	Lee Friedman F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8142	Lee Friedman F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8143	Lee Friedman F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8211	Lee Friedman F 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8221	Lee Friedman F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8222	Lee Friedman F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8231	Lee Friedman F 12:00pm - 12:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8241	Lee Friedman F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8242	Lee Friedman F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8341	Lee Friedman F 12:00pm - 12:50pm W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab

8421	Lee Friedman F 12:00pm - 12:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8431	Lee Friedman F 12:00pm - 12:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8511	Lee Friedman F 12:00pm - 12:50pm F 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
SES1	Lee Friedman M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1228 CHM 1128	 Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM276 **General Chemistry and Energetics - Majors**

CHEM276 General Chemistry and Energetics - Majors; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C- or better in the prerequisite is required. Corequisite: CHEM277. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM 271 or CHEM276. Formerly CHEM153. An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

0224	Amy Mullin WF 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 40) CHM 1402 CHM 1224	 Discussion

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C- or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

0223	Lee Friedman M 9:00am - 9:50am TuTh 3:30pm - 6:20pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab
0232	Lee Friedman M 9:00am - 9:50am WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab

CHEM395 **Professional Issues in Chemistry and Biochemistry**

CHEM395 Professional Issues in Chemistry and Biochemistry; (1 credit) Grade Method: S-F.
Junior standing. For CHEM and BCHM majors only. Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

0101	Michael Montague-Smith Tu 11:00am - 11:50am	Seats (Total: 112) CHM 1402

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research**

CHEM399X Introduction to Chemical Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM401 **Inorganic Chemistry**

CHEM401 Inorganic Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM241 and CHEM242} or CHEM243 or CHEM247.* An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

0101	Andrei Vedernikov	Seats (Total: 70)
	MWF 10:00am - 10:50am	CHM 1402

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 lab materials fee.

0101	Cheng Lee MW 11:00am - 11:50am MW 1:00pm - 4:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0102	Cheng Lee MW 11:00am - 11:50am TuTh 12:30pm - 3:20pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0104	Cheng Lee MW 11:00am - 11:50am TuTh 9:30am - 12:20pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0105	Cheng Lee MW 11:00am - 11:50am MW 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0109	Cheng Lee MW 11:00am - 11:50am TuTh 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab

CHEM433 **Atmospheric Chemistry and Climate**

CHEM433 Atmospheric Chemistry and Climate; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131 or CHEM135 or CHEM146 and MATH241 or permission of department. Also offered as AOSC433. Credit will be granted for only one of the following: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly CHEM434. The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as AOSC433. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

0101	Ross Salawitch	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 2416

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The C- or better in prerequisites is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Zhihong Nie	Seats (Total: 60)
	MWF 9:00am - 9:50am	CHM 0119

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A Grade of C- or better in CHEM481. The C- or better is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Janice Reutt-Robey	Seats (Total: 90)
	MWF 8:00am - 8:50am	CHM 1402

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone	Seats (Total: 18)	
	M 2:00pm - 4:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 0122	Discussion
0102	Earle Stone	Seats (Total: 18)	
	Tu 2:00pm - 4:50pm	CHM 3221	Lab
	Tu 11:00am - 11:50am	CHM 0115	Discussion
0103	Earle Stone	Seats (Total: 18)	
	W 1:00pm - 3:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 0122	Discussion
0104	Earle Stone	Seats (Total: 18)	
	Th 9:00am - 11:50am	CHM 3221	Lab
	Tu 11:00am - 11:50am	CHM 0115	Discussion

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone	Seats (Total: 12)	
	Tu 3:30pm - 6:20pm	CHM 3217	Lab
	Tu 2:00pm - 2:50pm	CHM 1224	Discussion

0102	Earle Stone	Seats (Total: 12)	
	W 3:00pm - 6:00pm	CHM 3217	Lab
	W 2:00pm - 3:00pm	CHM 1224	Discussion
0103	Earle Stone	Seats (Total: 8)	
	Th 3:30pm - 6:20pm Contact instructor or department for details.	CHM 3217	Lab

CHEM498E **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

CHEM498E Special Topics in Chemistry: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Connolly, Frederick Khachik	Seats (Total: 22)	
	Th 2:00pm - 4:45pm	POT 2111	

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.

Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Lawrence Sita	Seats (Total: 40)	
	MWF 9:00am - 9:50am	CHM 1228	

CHEM608A **Selected Topics in Inorganic Chemistry; Nanoparticle and Aerosol Dynamics**

CHEM608A Selected Topics in Inorganic Chemistry: Nanoparticle and Aerosol Dynamics; (3 credits) Grade Method: REG/AUD.

Also offered as ENCH6408A and ENME808M.

0101	Michael Zachariah TuTh 9:30am - 10:45am	Seats (Total: 30) EGR 2116

CHEM623 **Optical Methods of Quantitative Analysis**

CHEM623 Optical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The quantitative applications of various methods of optical spectroscopy.

0101	YuHuang Wang MW 9:00am - 10:15am	Seats (Total: 15) HBK 0109

CHEM624 **Electrical Methods of Quantitative Analysis**

CHEM624 Electrical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.

0101	Sangbok Lee TuTh 8:00am - 9:15am	Seats (Total: 30) CHM 0124

CHEM633 **Atmospheric Chemistry and Climate**

CHEM633 Atmospheric Chemistry and Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM131 or CHEM135 or CHEM146 and MATH241, or permission of department. Also offered as AOSC633. Credit will be granted for only one of the following: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly CHEM678A. The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate chane, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels.

0101	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 8) CSS 2416

CHEM647 **Organic Synthesis**

CHEM647 Organic Synthesis; (3 credits) Grade Method: REG/AUD.
The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

0101	Philip DeShong TuTh 9:30am - 10:45am	Seats (Total: 20) CHM 1228

CHEM648D **Special Topics in Organic Chemistry; Chemistry of Biological Catalysis**

CHEM648D Special Topics in Organic Chemistry: Chemistry of Biological Catalysis; (3 credits) Grade Method: REG/AUD.

0101	Steven Rokita MWF 11:00am - 11:50am	Seats (Total: 25) CHM 2201

CHEM650 **Problems in Organic Synthesis**

CHEM650 Problems in Organic Synthesis; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

0101	Philip DeShong F 12:00pm - 12:50pm	Seats (Total: 40) CHM 0115

CHEM687 **Statistical Mechanics and Chemistry**

CHEM687 Statistical Mechanics and Chemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 684 or equivalent.

0101	Garegin Papoian TuTh 2:00pm - 3:15pm	Seats (Total: 20) CHM 1228

CHEM689 **Special Topics in Physical Chemistry; Instrument Interfacing with Lab View**

CHEM689 Special Topics in Physical Chemistry: Instrument Interfacing with Lab View; (3 credits) Grade Method: REG/AUD.

0101	Amy Mullin	Seats (Total: 20)
	TuTh 9:30am - 10:45am	Location: TBA

CHEM691 **Quantum Chemistry II**

CHEM691 Quantum Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 690 or PHYS 622.

0101	Millard Alexander	Seats (Total: 22)
	TuTh 11:00am - 12:15pm	CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM699A **Special Problems in Chemistry; Biological Mass Spectrometry**

CHEM699A Special Problems in Chemistry: Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD.
Also offered as BCHM676 and BIOE689B.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

CHEM699C **Special Problems in Chemistry; Theory and Application of Physical and Theoretical Methods in Biophysics**

CHEM699C Special Problems in Chemistry: Theory and Application of Physical and Theoretical Methods in Biophysics; (3 credits) Grade Method: REG/AUD.

0101	Devarajan Thirumalai	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHM 0124

CHEM705 **Nuclear Chemistry**

CHEM705 Nuclear Chemistry; (3 credits) Grade Method: REG/AUD.
Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

0101	Alice Mignerey	Seats (Total: 15)
	TuTh 4:00pm - 5:15pm	MTH 0104

CHEM718B **Special Topics in Chemistry; Introduction to Nonequilibrium Statistical Physics**

CHEM718B Special Topics in Chemistry: Introduction to Nonequilibrium Statistical Physics; (3 credits) Grade Method: REG/AUD.

0101	Christopher Jarzynski	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KEB 1200
	Also offered as CHPH718B and PHYS798Z.	

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey	Seats (Total: 25)
	F 3:00pm - 5:00pm	CHM 1228

CHEM889C **Seminar; Inorganic Chemistry**

CHEM889C Seminar: Inorganic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Andrei Vedernikov	Seats (Total: 15)
	Th 11:00am - 11:50am	CHM 0124

CHEM889D **Seminar; Organic Chemistry**

CHEM889D Seminar: Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Lyle Isaacs	Seats (Total: 25)
	Th 11:00am - 11:50am	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889F and CHPH709A.

0101	Garegin Papoian	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889E and CHPH709A.

0101	Garegin Papoian	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889G **Seminar; Physical Organic Chemistry**

CHEM889G Seminar: Physical Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Garegin Papoian	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Spring 2012

CHIN102 **Elementary Spoken Chinese**

Non-majors: please refer to the Foreign Language Placement Section of the ARHU Web site.

CHIN102 *(PermReq)* **Elementary Spoken Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent; or Appropriate Foreign Language Placement Testing (FLPT) score.* Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0101	Yuli Wang MWF 10:00am - 10:50am	Seats (Total: 18) JMZ 1117
0201	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 18) JMZ 1117
0301	Shueh-Fang Lin MWF 12:00pm - 12:50pm	Seats (Total: 18) JMZ 1103

CHIN103 **Elementary Written Chinese**

CHIN103 *(PermReq)* **Elementary Written Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent; or appropriate Foreign Language Placement Testing (FLPT) score.* Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

0101	Jungjung Lee-Heitz TuTh 9:30am - 10:45am	Seats (Total: 18) JMZ 1117
0201	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 18) JMZ 1117

0301	Jungjung Lee-Heitz TuTh 12:30pm - 1:45pm	Seats (Total: 18) JMZ 1117

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**
Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**
Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**
Contact department for information to register for this course.

CHIN202 **Intermediate Written Chinese I**
Contact department for information to register for this course.

CHIN203 **Intermediate Spoken Chinese II**

CHIN203 *(PermReq)* **Intermediate Spoken Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN201 or equivalent or appropriate Foreign Language Placement Testing (FLPT) score. Continuation of CHIN201.

0101	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 15) HBK 0123
0201	Mei Kong MWF 10:00am - 10:50am	Seats (Total: 15) HBK 0123

CHIN204 **Intermediate Written Chinese II**

CHIN204 *(PermReq)* **Intermediate Written Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN202 or equivalent or appropriate Foreign Language Testing (FLPT) score. Continuation of CHIN202.

0101	Jianxin Cui TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3120

0201	Jungjung Lee-Heitz TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1117

CHIN205 **Intermediate Chinese - Accelerated Track**

CHIN205 *(PermReq)* **Intermediate Chinese - Accelerated Track; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Appropriate Foreign Language Placement Testing (FLPT) score. Not open to students who have completed CHIN201, CHIN202, CHIN203, or CHIN204. Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

0101	Jianhua Zhong MWF 9:00am - 9:50am	Seats (Total: 15) JMZ 1117

CHIN220 **Beginning Chinese Calligraphy**

CHIN220 Beginning Chinese Calligraphy; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Not open to students who have completed CHIN331. Credit will be granted for only one of the following: CHIN220 or CHIN331. Introduction to techniques, history, and culture of Chinese calligraphy. Extensive hands-on practice. Taught in English.

0101	Yuli Wang Th 12:30pm - 3:20pm	Seats (Total: 25) JMZ 0205
0201	Yuli Wang M 12:00pm - 2:50pm	Seats (Total: 25) JMZ 0205

CHIN269C **Special Topics in Study Abroad II; Modern Chinese Culture and Society I**
Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese I**
Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**
Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**
Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**
Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

CHIN302 *(PermReq)* **Advanced Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN301 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN301.

0101	Shueh-Fang Lin	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 1103

CHIN306 **Life in China through TV Plays II**

CHIN306 *(PermReq)* **Life in China through TV Plays II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN305 or permission of department. Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

0101	Mei Kong	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 1117

CHIN322 **Classical Chinese II**

CHIN322 Classical Chinese II; (3 credits) Grade Method: REG.
Prerequisite: CHIN321 or permission of department. Further classical studies by various writers from famous ancient philosophers to prominent scholars before the new culture movement.

0101	Fang-Yi Chao	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1103

CHIN369A **Special Topics in Study Abroad III; China Practicum and Connecting Across Cultures**
Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**
Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**
Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**

CHIN369D Special Topics in Study Abroad III: Advanced Chinese III; (3 credits)

Grade Method: REG/P-F/AUD.

EA02	Catherine Donohoe	Seats (Total: 0)
	Contact instructor or department for details.	

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**
Contact department for information to register for this course.

CHIN369F **Special Topics in Study Abroad III; Advanced Chinese V**
Contact department for information to register for this course.

CHIN369G **Special Topics in Study Abroad III; Advanced Chinese VI**
Contact department for information to register for this course.

CHIN369I **Special Topics in Study Abroad III; Advanced Chinese VII**
Contact department for information to register for this course.

CHIN369J **Special Topics in Study Abroad III; Advanced Chinese VIII**
Contact department for information to register for this course.

CHIN369M **Special Topics in Study Abroad III; Modern Chinese Culture II**
Contact department for information to register for this course.

CHIN386 **Experiential Learning**
Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**
Contact department for information to register for this course.

CHIN402 **Readings in Modern Chinese II**

CHIN402 *(PermReq)* **Readings in Modern Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN401 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN401.

0101	Shueh-Fang Lin MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1117

CHIN411 **Business Chinese I**

CHIN411 *(PermReq)* **Business Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN402 or permission of department. Non-majors admitted only after a placement interview. Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.

0101	Mei Kong MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1117

CHIN415 **Readings in Current Newspapers and Periodicals**

CHIN415 *(PermReq)* **Readings in Current Newspapers and Periodicals; (3 credits)** Grade Method: REG.
Prerequisite: CHIN402 or equivalent. Non-majors admitted only after a placement interview. Reading of periodical literature on selected topics with discussions and essays in Chinese.

0101	Shueh-Fang Lin MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 2206

CHIN421 **Sounds and Transcriptions of Mandarin Chinese**

CHIN421 Sounds and Transcriptions of Mandarin Chinese; (3 credits) Grade Method: REG.
Production and recognition of Mandarin speech sounds and tones, their phonological patterns, comparison with English, and representation by the various Romanization systems.

0101	Fang-Yi Chao	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 3120

CHIN428W **Selected Topics in Chinese Linguistics; Sociolinguistics of Writing Reforms in China**

CHIN428W *(PermReq)* **Selected Topics in Chinese Linguistics: Sociolinguistics of Writing Reforms in China; (3 credits)** Grade Method: REG.
Prerequisite: CHIN204 or equivalent. Taught in English.

0101	Minglang Zhou	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 3120

CHIN499 **Directed Study in Chinese**

CHIN499 *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN499A **Directed Study in Chinese; Advanced Chinese V**
Contact department for information to register for this course.

CHIN499C **Directed Study in Chinese; Advanced Chinese VI**
Contact department for information to register for this course.

CHPH Chemical Physics Spring 2012

CHPH618 **Special Projects in Chemical Physics**

CHPH618 Special Projects in Chemical Physics; (2 credits) Grade Method: REG/AUD.

0101	Eun-Suk Seo	Seats (Total: 10)
	Contact instructor or department for details.	

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 889E and CHEM 889F.

0101	Garegin Papoian W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS709.

0101	John Weeks W 4:00pm - 6:00pm	Seats (Total: 20) HJP 2242

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS798L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS838A.

0101	Theodore Einstein, William Cullen M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 0405 PHY 1204

CHPH718B **Special Topics in Chemical Physics; Introduction to Nonequilibrium Statistical Physics**

CHPH718B Special Topics in Chemical Physics: Introduction to Nonequilibrium Statistical Physics; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM718B and PHYS798Z.

0101	Christopher Jarzynski	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KEB 1200

CHPH718C **Special Topics in Chemical Physics; Theory and Application of Physical and Theoretical Methods in Biophysics**

CHPH718C Special Topics in Chemical Physics: Theory and Application of Physical and Theoretical Methods in Biophysics; (3 credits) Grade Method: REG/AUD.

0101	Devarajan Thirumalai	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHM 0124

CHPH718F **Special Topics in Chemical Physics; Methods of Statistical Physics**

CHPH718F Special Topics in Chemical Physics: Methods of Statistical Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

0101	Theodore Einstein	Seats (Total: 49)
	TuTh 9:30am - 10:45am	PHY 1410

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH718Z **Special Topics in Chemical Physics; Biosensor Techniques**

CHPH718Z Special Topics in Chemical Physics: Biosensor Techniques; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE631. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 58) EGR 2103
BI01	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Spring 2012

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**
Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course cannot be taken for language credit. Also offered as RELS170. Credit will be granted for only one of the following: CLAS170 or RELS170. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0105	Discussion
0102	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 1104	Discussion
0103	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 0135	Discussion
0104	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 PLS 1117	Discussion
0105	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 MTH 0411	Discussion
0106	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 CHE 2136	Discussion
0107	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0304	Discussion
0108	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 0135	Discussion

0201	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 COL 0102	Discussion
0202	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 ASY 3211	Discussion
0203	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 COL 0113	Discussion
0204	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 COL 0100	Discussion
0205	Eva Stehle MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 ARC 1105	Discussion
0206	Eva Stehle MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 COL 0100	Discussion
0207	Eva Stehle MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 ASY 3215	Discussion

CLAS171 **Classical Myths in Europe**
Contact department for information to register for this course.

CLAS271 **Roman Literature in Translation**

CLAS271 Roman Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Latin literature to the time of Apuleius. Special emphasis will be placed on poetry of the Augustan Age. No knowledge of Latin is required.

0101	Steven Rutledge MWF 12:00pm - 12:50pm	Seats (Total: 35) MMH 0108	

CLAS289A **Are We Rome?**

CLAS289A Are We Rome?; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Gregory Staley MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 TYD 1102	Discussion
0102	Gregory Staley MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SYM 0200 TYD 1102	Discussion
0103	Gregory Staley MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SYM 0200 TYD 1102	Discussion

CLAS409C **Classics Capstone Seminar; Classical Connections**

CLAS409C Classics Capstone Seminar: Classical Connections; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Comparative study of selected central aspects of both ancient Greek and Roman cultures as viewed from the standpoints of literary study, history, art history, and other fields as appropriate. Seminar format involving intensive student research.

0101	Judith Hallett Th 2:00pm - 4:40pm	Seats (Total: 25) ARM 0103

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS499P **Independent Study in Classical Languages and Literatures; Classical Myths in Europe**
Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Spring 2012

CLFS001 **Life Science Assessment Test**
Contact department for information to register for this course.

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG. *Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree. Restricted to students in the CLFS program. Click here for more information.

PL01	Bretton Kent	Seats (Total: 20)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG. Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree). Restricted to students in the CLFS program. Click here for more information.

PL01	Michelle Brooks	Seats (Total: 15)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**
Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**
Contact department for information to register for this course.

CLFS609I **Special Topics; Endocrinology**

CLFS609I Special Topics: Endocrinology; (3 credits) Grade Method: REG/AUD.

PL01	Tammatha O'Brien	Seats (Total: 20)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS610 **Natural Products Chemistry**

CLFS610 Natural Products Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Permission of program. Credit will be granted for only one of the following: LFSC609D or LFSC610. Formerly LFSC609D. Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology. Restricted to students in the CLFS program. Click here for more information.

PL01	Bruce Jarvis	Seats (Total: 20)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS619D **Special Topics in Chemistry; Forensic Chemistry**

CLFS619D Special Topics in Chemistry: Forensic Chemistry; (3 credits) Grade Method: REG/AUD.
For CLFS majors only.

PL01	Michelle Brooks	Seats (Total: 24)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms. Restricted to students in the CLFS program. Click here for more information.

PL01	Paul Bottino	Seats (Total: 21)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: LFSC 609C or LFSC 665. Formerly LFSC609C. Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats. Restricted to students in the CLFS program. Click here for more information.

PL01	Irwin Forseth	Seats (Total: 22)
	Meets February 28, 2012 - May 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS690 **Biochemistry**

CLFS690 Biochemistry; (3 credits) Grade Method: REG/AUD.
An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions. Restricted to students in the CLFS program. Click here for more information.

PL01	David Jollie	Seats (Total: 24)
	Meets February 28, 2012 - May 19, 2012	
	Contact instructor or department for details.	

CMLT Comparative Literature Spring 2012

CMLT245 **Film Form and Culture**

CMLT245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Also offered as ENGL245. Not open to students who have completed CMLT214 or ENGL245. Credit will be granted for only one of the following: CMLT214, CMLT245, or ENGL245. Formerly CMLT214. Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0301	Marianne Conroy	Seats (Total: 24)	
	MW 2:00pm - 2:50pm	TWS 1100	
	M 3:00pm - 4:50pm	TWS 1100	Lab
	F 9:00am - 9:50am	EDU 1315	Discussion
0302	Marianne Conroy	Seats (Total: 24)	
	MW 2:00pm - 2:50pm	TWS 1100	
	M 3:00pm - 4:50pm	TWS 1100	Lab
	F 10:00am - 10:50am	TWS 1107	Discussion
0303	Marianne Conroy	Seats (Total: 24)	
	MW 2:00pm - 2:50pm	TWS 1100	
	M 3:00pm - 4:50pm	TWS 1100	Lab
	F 11:00am - 11:50am	TWS 0234	Discussion
0304	Marianne Conroy	Seats (Total: 24)	
	MW 2:00pm - 2:50pm	TWS 1100	
	M 3:00pm - 4:50pm	TWS 1100	Lab
	F 12:00pm - 12:50pm	EDU 3233	Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Uchechi Okereke-Beshel MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0103
0201	James Hodapp TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 0109
0301	Zein El-Amine TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 1118

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amanda Dykema TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1112
0201	Chinenye Okparanta MW 3:30pm - 4:45pm	Seats (Total: 35) KEY 0125

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

0101	Isis Semaj-Hall TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1103

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Marit Knollmueller TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0125
0201	Marit Knollmueller TuTh 2:00pm - 3:15pm	Seats (Total: 35) HBK 0105
0301	Liora Moriel W 6:00pm - 10:00pm	Seats (Total: 35) TWS 0221

CMLT298M **Topics in Comparative Studies; Modern Catalan Literature**
Contact department for information to register for this course.

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498L **Selected Topics in Comparative Studies; The Jazz Paradigm**

CMLT498L Selected Topics in Comparative Studies: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0236

CMLT498N **Selected Topics in Comparative Studies; Cinema of Liberation**

CMLT498N Selected Topics in Comparative Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL329A.

0101	Eugene Robinson	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	TWS 1107	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
0102	Eugene Robinson	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	TWS 0236	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab

CMLT498T **Selected Topics in Comparative Studies; Modern Hebrew Literature in Translation**

CMLT498T Selected Topics in Comparative Studies: Modern Hebrew Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL479T, HEBR498L, ISRL449L and JWST429L. What issues populated Hebrew literature written before the establishment of the State of Israel, and what issues emerged in the literature written after the establishment of the State? In this class we will consider Hebrew literature as seperate from Israeli literature, authored from the turn of the twentieth century until the present moment.

0101	Sheila Jelen	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	TWS 3134

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788C **Practicum in Comparative Studies; Crime and Cinema**

CMLT788C Practicum in Comparative Studies: Crime and Cinema; (1 credit) Grade Method: S-F.
Also offered as HIST819E and SLLC698C. Class meets on Fridays from 2:00-4:00pm on the following dates: February 10, March 2, March 16, and April 27 in HBK 0302H.

0101	Elizabeth Papazian	Seats (Total: 20)
	Meets February 10, 2012 - April 27, 2012	
	Contact instructor or department for details.	

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Spring 2012

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC131 or CMSC122. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0101	Laurence Herman MW 3:30pm - 4:45pm	Seats (Total: 70) CSI 2117	

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who are taking or have completed CMSC131 or higher. Credit will be granted for only one of the following: CMSC122 or CMSC198N. Formerly CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Fawzi Emad MWF 12:00pm - 12:50pm	Seats (Total: 100) CSI 1115	
0201	Fawzi Emad MWF 1:00pm - 1:50pm	Seats (Total: 100) CSI 1115	

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

0101	Jandelyn Plane MWF 9:00am - 9:50am MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 1115 CSI 2118	 Discussion
0102	Jandelyn Plane MWF 9:00am - 9:50am MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 1115 CSI 2118	 Discussion

0103	Jandelyn Plane MWF 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 29) CSI 1115 CSI 1121	 Discussion
0201	Jandelyn Plane MWF 10:00am - 10:50am MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 1115 CSI 2120	 Discussion
0202	Jandelyn Plane MWF 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 1115 CSI 2118	 Discussion
0301	Jandelyn Plane MWF 11:00am - 11:50am MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 1115 CSI 2120	 Discussion
0302	Jandelyn Plane MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 1115 CSI 2120	 Discussion
0303	Jandelyn Plane MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 1115 CSI 2118	 Discussion
0401	Fawzi Emad MWF 2:00pm - 2:50pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 2117 CSI 2120	 Discussion
0402	Fawzi Emad MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 32) CSI 2117 CSI 2120	 Discussion

CMSC132 Object-Oriented Programming II

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: CMSC131 with a grade of C- or better; or a score of 5 on the A Java APexam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C- or better, and permission of department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Nelson Padua-Perez MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 27) CSI 2117 CSI 2107	 Discussion
0102	Nelson Padua-Perez MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 2117 CSI 2107	 Discussion
0103	Nelson Padua-Perez MWF 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 27) CSI 2117 CSI 2107	 Discussion
0201	Nelson Padua-Perez MWF 11:00am - 11:50am MW 3:00pm - 3:50pm	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0202	Nelson Padua-Perez MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 2117 CSI 1122	 Discussion
0301	Nelson Padua-Perez MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 27) CSI 3117 CSI 1122	 Discussion
0302	Nelson Padua-Perez MWF 12:00pm - 12:50pm MW 4:00pm - 4:50pm	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion

0401	Nelson Padua-Perez MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 27) CSI 3117 CSI 2107	 Discussion
0402	Nelson Padua-Perez MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 27) CSI 3117 CSI 2107	 Discussion
0403	Nelson Padua-Perez MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 27) CSI 3117 CSI 2107	 Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: CMSC131 with a grade of C- or better; or a score of 5 on the A Java APexam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C- or better, and permission of department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java. For general honors students only.

0101	James Purtilo TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 22) CSI 2118 CSI 1122	 Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC198I **The Science Behind Computing: What Makes Web Search, Navigation Systems and Social Media Work?**

CMSC198I The Science Behind Computing: What Makes Web Search, Navigation Systems and Social Media Work?; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Samir Khuller MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) CSI 3117 CSI 3117	 Discussion
0102	Samir Khuller MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) CSI 3117 CSI 3117	 Discussion

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: A grade of C- or better in both CMSC132 and MATH141. Corequisite: CMSC250. Not open to students who have completed CMSC212. Credit will be granted for only one of the following: CMSC212 or (CMSC213 and CMSC313) or CMSC216. Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Alan Sussman TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 30) CSI 2117 CSI 3118	 Discussion
0102	Alan Sussman TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 28) CSI 2117 CSI 3118	 Discussion
0103	Alan Sussman TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 2117 CSI 3120	 Discussion

0201	Laurence Herman TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 2117 CSI 3118	Discussion
0202	Laurence Herman TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 2117 CSI 3118	Discussion
0301	Laurence Herman TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 2117 CSI 3118	Discussion
0302	Laurence Herman TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 2117 CSI 3118	Discussion
0303	Laurence Herman TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 29) CSI 2117 CSI 3117	Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C- or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Michelle Hugue TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 29) CSI 3117 CSI 1121	Discussion
0102	Michelle Hugue TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 3117 CSI 1121	Discussion
0103	Michelle Hugue TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 30) CSI 3117 CSI 1121	Discussion

0201	Clyde Kruskal TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 40) CSI 1115 CSI 3120	 Discussion
0202	Clyde Kruskal TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 44) CSI 1115 CSI 2107	 Discussion
0203	Clyde Kruskal TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 15) CSI 1115 CSI 2118	 Discussion

CMSC250H **Discrete Structures**

CMSC250H *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C- or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Clyde Kruskal TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 3118 CSI 3120	 Discussion

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C- or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Chau-Wen Tseng TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 25) CSI 1115 CSI 2120	 Discussion
0102	Chau-Wen Tseng TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 25) CSI 1115 CSI 2120	 Discussion
0103	Chau-Wen Tseng TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0104	Chau-Wen Tseng TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0201	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0202	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) CSI 1115 CSI 2120	 Discussion
0203	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) CSI 1115 CSI 2120	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC216 and CMSC250: each with a grade of C- or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Hector Corrada Bravo TuTh 9:30am - 10:45am	Seats (Total: 90) CSI 1115
0201	Mohammad Hajiaghayi TuTh 3:30pm - 4:45pm	Seats (Total: 90) CSI 1115

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C- or better in (CMSC311 or ENEE350) and a grade of C- or better in CMSC330; and permission of department; or CMSC graduate student.
Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Chau-Wen Tseng TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 3120

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: A grade of C- or better in (CMSC311 or ENEE350) and a grade of C- or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	A.U. Shankar TuTh 2:00pm - 3:15pm MW 9:00am - 9:50am	Seats (Total: 23) CSI 2107 CSI 2120	 Discussion
0102	A.U. Shankar TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 22) CSI 2107 CSI 2120	 Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: CMSC216 and CMSC330 with a grade of C- or better in each; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	Jonathan Katz TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 1122
0201	Jonathan Katz TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 1122

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330 and CMSC351 with a grade of C- or better in each; and permission of department; or CMSC graduate student. Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	CSI 1122

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG.
Prerequisites: A grade of C- or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student. Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 1121
0201	Michelle Hugue	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	CSI 1121

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
Prerequisites: A grade of C- or better in CMSC330 and in CMSC351; and permission of the department or CMSC graduate student. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	Hal Daume	Seats (Total: 47)
	TuTh 3:30pm - 4:45pm	CSI 2107

CMSC422 **Introduction to Machine Learning**

CMSC422 *(PermReq)* **Introduction to Machine Learning; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330 and CMSC351 with a grade of C- or higher. Recommended: STAT400. Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.

0101	James Reggia TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 3120

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC330 and CMSC351 with a grade of C- or better in each; and permission of department; or CMSC graduate student. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Amol Deshpande TuTh 11:00am - 12:15pm	Seats (Total: 45) CSI 2107
0201	Nicholas Roussopoulos TuTh 12:30pm - 1:45pm	Seats (Total: 42) CSI 1122

CMSC430 **Introduction to Compilers**

CMSC430 *(PermReq)* **Introduction to Compilers; (3 credits)** Grade Method: REG.
Prerequisites: a grade of C- or better in CMSC330; and permission of department; or CMSC graduate student. Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	Jeffrey Foster MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 1122

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Pei-Hsiu Yeh MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 3120
0201	Adam Porter TuTh 9:30am - 10:45am	Seats (Total: 43) CSI 2107

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 *(PermReq)* **Introduction to Human-Computer Interaction; (3 credits)** Grade Method: REG.
Prerequisites: CMSC330 with a grade of C- or better and PSYC100; and permission of department; or CMSC graduate student. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Evan Golub TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1121
0201	Jon Froehlich MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 1121

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C- or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	Atif Memon	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSI 1122

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: a grade of C- or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Clyde Kruskal	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC452 **Elementary Theory of Computation**

CMSC452 *(PermReq)* **Elementary Theory of Computation; (3 credits)** Grade Method: REG.
Prerequisite: CMSC351 with a grade of C- or better; and permission of department; or CMSC graduate student. Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

0101	William Gasarch	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	CSI 2118

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	James Schafer TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0305
0201	Lawrence Washington TuTh 9:30am - 10:45am	Seats (Total: 46) BPS 1236

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami MWF 12:00pm - 12:50pm	Seats (Total: 28) EGR 1108
0201	Harland Glaz TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH B0421

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Tobias von Petersdorff	Seats (Total: 30)
	MWF 9:00am - 9:50am	EGR 0108

CMSC475 **Combinatorics and Graph Theory**

CMSC475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG.
Prerequisites: MATH240 and MATH241; and permission of department; or CMSC graduate student. Also offered as MATH475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 28)
	MWF 10:00am - 10:50am	MTH 1313

CMSC498 **Selected Topics in Computer Science**

CMSC498 Selected Topics in Computer Science; (1-3 credits) Grade Method: REG/P-F/AUD.

1875	Jon Froehlich	Seats (Total: 5)
	Contact instructor or department for details.	

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498B **Selected Topics in Computer Science; Secure Maryland (Web Applications)**

CMSC498B *(PermReq)* **Selected Topics in Computer Science: Secure Maryland (Web Applications); (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498D **Selected Topics in Computer Science; Deblurring Digital Images**

CMSC498D Selected Topics in Computer Science: Deblurring Digital Images; (1 credit) Grade Method: REG/P-F/AUD.

0101	Dianne O'Leary F 11:00am - 11:50am	Seats (Total: 30) CSI 1122

CMSC499 **Independent Undergraduate Research**

CMSC499 Independent Undergraduate Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC630 **Foundations of Software Verification**

CMSC630 Foundations of Software Verification; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC430. Topics in program verification. Operational semantics of programs. Preconditions and postconditions. Axiomatic proof systems and predicate transformers. Temporal logic and model checking. Process algebra, semantic equivalences and algebraic reasoning.

0101	Walter Cleaveland TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 2120

CMSC661 **Scientific Computing II**

CMSC661 Scientific Computing II; (3 credits) Grade Method: REG. *Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 661. Credit will be granted for only one of the following: AMSC, CMSC 661 or MAPL 661.* Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0303

CMSC667 **Numerical Analysis II**

CMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 666. Also offered as AMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Maria Cameron	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 1308

CMSC722 **Artificial Intelligence Planning**

CMSC722 Artificial Intelligence Planning; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 421 or equivalent; or permission of department.* Automated planning of actions to accomplish some desired goals. Basic algorithms, important systems, and new directions in the field of artificial intelligence planning systems.

0101	Dana Nau	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CSI 3120

CMSC724 **Database Management Systems**

CMSC724 Database Management Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 624 or permission of instructor.* Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

0101	Amol Deshpande	Seats (Total: 32)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC751 **Parallel Algorithms**

CMSC751 Parallel Algorithms; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC451 or equivalent.* A presentation of the theory of parallel computers and parallel processing. Models of parallel processing and the relationships between these models. Techniques for the design and analysis of efficient parallel algorithms including parallel prefix, searching, sorting, graph problems, and algebraic problems. Theoretical limits of parallelism, inherently sequential problems, and the theory of P-completeness. Also offered as ENEE759K.

0101	Uzi Vishkin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMP 2202

CMSC754 **Computational Geometry**

CMSC754 Computational Geometry; (3 credits) Grade Method: REG/AUD. *Prerequisites: {CMSC 420 and CMSC 451} or permission of instructor.* Introduction to algorithms and data structures for computational problems in discrete geometry (for points, lines, and polygons) primarily in two and three dimensions. Topics include triangulations and planar subdivisions, geometric search and intersection, convex hulls, Voronoi diagrams, Delaunay triangulations, line arrangements, visibility, and motion planning.

0101	David Mount	Seats (Total: 49)
	TuTh 9:30am - 10:45am	CSI 1121

CMSC773 **Computational Linguistics II**

CMSC773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC723 or LING723; or permission of instructor. May only receive PhD Comp. credit for CMSC723 or CMSC823, not both. Also offered as LING773. Not open to students who have completed LING647. Formerly CMSC828R.* Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Jordan Boyd-Graber	Seats (Total: 30)
	W 1:30pm - 4:00pm	KEB 1200

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798E **Graduate Seminar in Computer Science; How to Conduct Research**

CMSC798E Graduate Seminar in Computer Science: How to Conduct Research; (1 credit) Grade Method: REG/AUD.

0101	Howard Elman	Seats (Total: 40)
	M 4:00pm - 5:00pm	CSI 3117

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems: Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818B **Advanced Topics in Computer Systems; Distributed and Peer-to-Peer File Systems**

CMSC818B Advanced Topics in Computer Systems: Distributed and Peer-to-Peer File Systems; (3 credits) Grade Method: REG/AUD.

0101	Peter Keleher	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 2107

CMSC818C **Advanced Topics in Computer Systems; Local Data and Privacy**

CMSC818C Advanced Topics in Computer Systems: Local Data and Privacy; (3 credits) Grade Method: REG/AUD.

0101	Samrat Bhattacharjee	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 3118

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828B **Advanced Topics in Information Processing; Image Segmentation**

CMSC828B Advanced Topics in Information Processing: Image Segmentation; (3 credits) Grade Method: REG/AUD.

0101	David Jacobs MW 3:30pm - 4:45pm	Seats (Total: 30) CSI 1122

CMSC828L **Advanced Topics in Information Processing; Link Mining**

CMSC828L Advanced Topics in Information Processing: Link Mining; (3 credits) Grade Method: REG/AUD.

0101	Lise Getoor W 10:00am - 12:30pm	Seats (Total: 18) AVW 4172

CMSC828N **Advanced Topics in Information Processing; Social Network Databases**

CMSC828N Advanced Topics in Information Processing: Social Network Databases; (3 credits) Grade Method: REG/AUD.

0101	Venkatramanan Subrahmanian TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 2120

CMSC828U **Advanced Topics in Information Processing**

CMSC828U Advanced Topics in Information Processing; (3 credits) Grade Method: REG/AUD.

0101	John Aloimonos M 5:00pm - 7:30pm	Seats (Total: 30) CSI 2120

CMSC828V **Advanced Topics in Information Processing**

CMSC828V Advanced Topics in Information Processing; (3 credits) Grade Method: REG/AUD.

0101	Amitabh Varshney TuTh 2:00pm - 3:15pm	Seats (Total: 30) CSI 3120

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838B **Advanced Topics in Programming Languages; Future of Human-Computer Interaction**

CMSC838B *(PermReq)* **Advanced Topics in Programming Languages: Future of Human-Computer Interaction; (1 credit)** Grade Method: REG/AUD.

0101	Ben Bederson, Leah Findlater, Jon Froehlich Tu 12:00pm - 1:00pm	Seats (Total: 20) HBK 2116

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858B **Advanced Topics in Theory of Computing; Computational Systems Biology and Functional Genomics**

CMSC858B Advanced Topics in Theory of Computing: Computational Systems Biology and Functional Genomics; (3 credits) Grade Method: REG/AUD.

0101	Hector Corrada Bravo MW 3:30pm - 4:45pm	Seats (Total: 30) BSB 3118

CMSC858T **Advanced Topics in Theory of Computing; Topics in Algorithms**

CMSC858T Advanced Topics in Theory of Computing: Topics in Algorithms; (3 credits) Grade Method: REG/AUD.

0101	Samir Khuller W 4:00pm - 6:30pm	Seats (Total: 30) CSI 2120

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Spring 2012

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Jessica Lu MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
0301	Jessica Lu MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
0501	Liang Ma TuTh 9:30am - 10:45am	Seats (Total: 24) ASY 3221
0601	Michael Paquette MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176

0701	Jennifer Bourne MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1180
0801	Hyunhee Kim TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1180
0901	Kelly Daily MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
1001	Jennifer Bourne MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1180
1101	Liang Ma TuTh 8:00am - 9:15am	Seats (Total: 24) ASY 3221
1201	Stephen Underhill MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
1301	Doo Lee TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
1501	L Gordon MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
1601	L Gordon MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
1701	Julio Bermejo TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
1801	Lois Lipman TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1164
1901	Xinyan Zhao MWF 2:00pm - 2:50pm	Seats (Total: 24) SKN 0104
2001	Doo Lee TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
2101	Michael Paquette MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176

2201	Jon Hoffman TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
2301	Alyssa Samek TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1184
2401	Bo Yang MWF 9:00am - 9:50am	Seats (Total: 20) SKN 0104
2501	Jarim Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1162
2701	Xinyan Zhao MWF 1:00pm - 1:50pm	Seats (Total: 24) SKN 0104
2801	Bo Yang MWF 8:00am - 8:50am	Seats (Total: 24) SKN 0104
2901	Alyssa Samek TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
3001	Julio Bermejo TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3201	Jarim Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1162
3301	Lois Lipman TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1164
3501	Yvonne Slosarski MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1176
3601	James Gilmore TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176
3701	Stephen Underhill MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184
3801	James Gilmore TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176

3901	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180
4001	Yvonne Slosarski MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176
4101	Ning Xie TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1164
4201	Ning Xie TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1164

COMM107M **Oral Communication: Principles and Practices**

COMM107M Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Restricted to students in the Markets and Society program.

1401	Stephen Underhill MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1180
2401	Bo Yang MWF 9:00am - 9:50am	Seats (Total: 4) SKN 0104
2601	Steven Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1176

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Jade Olson TuTh 12:30pm - 1:45pm	Seats (Total: 26) PLS 1111
0201	Tiffany Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
0301	Abigail Seiler MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
0401	Abigail Seiler MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1115
0601	Jade Olson TuTh 9:30am - 10:45am	Seats (Total: 25) SQH 1103

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101	Jon Hoffman TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1111
0201	Sean Luechtefeld TuTh 12:30pm - 1:45pm	Seats (Total: 24) SQH 1121
0301	Sean Luechtefeld TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 1121
0401	Jon Hoffman TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1113

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 10:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 12:00pm - 1:50pm W 12:00pm - 1:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Richard Toth M 8:00am - 9:50am W 8:00am - 9:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C- or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Pamela Grant Tu 1:00pm - 2:15pm Th 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Pamela Grant Tu 2:30pm - 3:45pm Th 2:30pm - 3:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0102	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0103	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0104	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 EDU 3315	Discussion
0105	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 EDU 3315	Discussion
0106	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 EDU 3315	Discussion
0107	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 LEF 2208	Discussion
0108	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 LEF 2208	Discussion
0109	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 LEF 2208	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
Contact department for information to register for this course.

COMM269M **Special Topics in Study Abroad II; Media Technology**
Contact department for information to register for this course.

COMM269P **Special Topics in Study Abroad II; Principles of Film and Media Production**
Contact department for information to register for this course.

COMM269V **Special Topics in Study Abroad II; Visual Communication: Intercultural Photography**
Contact department for information to register for this course.

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Nneka Ifeoma Ofulue TuTh 3:30pm - 4:45pm	Seats (Total: 150) SHM 2102
SG91	William Lawson MW 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4225

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	William Lawson	Seats (Total: 55)	
	TuTh 2:00pm - 3:15pm	SQH 1119	

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Grade C- or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330. The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Susan Simon	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	SQH 1117	
0301	Rowena Briones	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	TYD 2111	

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C- or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Leysan Khakimova	Seats (Total: 18)	
	M 2:00pm - 3:15pm	EGR 3140	
	W 2:00pm - 3:15pm	EGR 3140	Lab

0201	Leysan Khakimova M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Beth Sundstrom Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Melissa Janoske Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Melissa Janoske Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	William Lawson TuTh 11:00am - 12:15pm	Seats (Total: 75) TYD 1101	

COMM370 **Mediated Communication**
Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

COMM371 Communication and Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
For COMM majors only. Credit will be granted for only one of the following: COMM371 and COMM398V. Formerly COMM398V. A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

SG91	Robert Coleman MW 9:00am - 10:45am	Seats (Total: 20) BLD3 3212
	Restricted to COMM students at Shady Grove.	

COMM382 **Essentials of Intercultural Communication**

COMM382 Essentials of Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Credit will be granted for only one of the following: COMM382 or COMM482. Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

BL01	Lin Zhu, Meina Liu Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 50) SQH 1117 ONLINE
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL02	Meina Liu, Deepa Anagondahalli Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 50) KEY 0103 ONLINE
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

BL03	Deepa Anagondahalli, Lin Zhu, Meina Liu Tu 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 50) SQH 1117 ONLINE
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 60)
SG91	Lindsi Baltz Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398D **Selected Topics in Communication; Advocacy Short Film**

COMM398D Selected Topics in Communication: Advocacy Short Film; (3 credits) Grade Method: REG.

SG91	William Lawson	Seats (Total: 20)
	MW 12:30pm - 1:45pm	BLD3 4225
	Restricted to COMM students at Shady Grove.	

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Kelly Daily	Seats (Total: 35)
	MW 2:00pm - 3:15pm	MMH 0108

COMM398I **Selected Topics in Communication; Communicating for Results**

COMM398I Selected Topics in Communication: Communicating for Results; (3 credits) Grade Method: REG.

SG91	Judith Tenney	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BLD3 4215
	Restricted to COMM students at Shady Grove.	

COMM398K **Selected Topics in Communication; Digital Communication and Strategic Message Design**

COMM398K Selected Topics in Communication: Digital Communication and Strategic Message Design; (3 credits) Grade Method: REG.

SG91	Robert Coleman	Seats (Total: 20)
	MW 2:00pm - 3:15pm	BLD3 3212
	Restricted to COMM students at Shady Grove.	

COMM398N **Selected Topics in Communication; Communication and Digital Imaging**

COMM398N Selected Topics in Communication: Communication and Digital Imaging; (3 credits) Grade Method: REG.

SG91	Robert Coleman MW 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 22) BLD3 3212

COMM398Q **Selected Topics in Communication; Communication Through Humor**

COMM398Q Selected Topics in Communication: Communication Through Humor; (3 credits) Grade Method: REG.

SG91	David Payne TuTh 12:30pm - 1:45pm *Restrictedd to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4211

COMM398R **Selected Topics in Communication; Interactive Online Media**
Contact department for information to register for this course.

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leah Waks Contact instructor or department for details.	Seats (Total: 10)
0401	Edward Fink Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory.

0101	Edward Fink MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0102	Edward Fink MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0103	Edward Fink MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0104	Edward Fink MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0105	Edward Fink MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0106	Edward Fink MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
SG91	David Payne TuTh 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4211	

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Kristjana Maddux TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) CHM 1402 ARC 1103	Discussion

0102	Kristjana Maddux TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) CHM 1402 ARC 1103	Discussion
0103	Kristjana Maddux TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1402 ARC 1103	Discussion
0104	Kristjana Maddux TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) CHM 1402 ASY 3203	Discussion
0105	Kristjana Maddux TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) CHM 1402 ASY 3203	Discussion
0106	Kristjana Maddux TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1402 ASY 3203	Discussion
0201	Jon Hoffman TuTh 3:30pm - 4:45pm	Seats (Total: 55) KEY 0102	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 SQH 2119	Discussion
0102	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 SQH 2119	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 SQH 2119	Discussion

0104	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 1107	 Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 1107	 Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 1107	 Discussion

COMM422 **Communication Management**

COMM422 Communication Management; (3 credits) Grade Method: REG/P-F/AUD.
Communication policies, plans, channels, and practices in the management of the communication function in organizations.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Sanja Novitsky TuTh 9:30am - 10:45am	Seats (Total: 39) EDU 0212
0201	Sanja Novitsky TuTh 11:00am - 12:15pm	Seats (Total: 40) MCB 1207

COMM427 **Crisis Communication**

COMM427 Crisis Communication; (3 credits) Grade Method: REG/P-F/AUD.
For COMM majors only. Not open to students who have completed COMM398C. Credit will be granted for only one of the following: COMM398C or COMM427. Formerly COMM398C. Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

0101	Abbey Levenshus TuTh 5:00pm - 6:15pm	Seats (Total: 35) KEY 0103

COMM435 **Theories of Interpersonal Communication**

COMM435 Theories of Interpersonal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM400 or permission of department. Major theoretical approaches and research trends in the study of interpersonal communication.

0101	Ioana Cionea MW 3:30pm - 4:45pm	Seats (Total: 40) HJP 1125
0201	Ioana Cionea MW 5:00pm - 6:15pm	Seats (Total: 40) HJP 1125
SG91	Judith Tenney TuTh 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4215

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Credit will be granted for only one of the following: COMM450, or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Jon Hoffman	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	ASY 2309

COMM461 **Voices of Public Leadership in the Twentieth Century**

COMM461 Voices of Public Leadership in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD.
Study of the use of speaking in the power struggles of the twentieth century. Focus is on important speakers of the century, their social and policy influence, and the struggle to expand the diversity of voices with power in the public sphere.

0101	James Klumpp	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1121

COMM469Y **The Discourse of Social Movements; Communication and Religion**

COMM469Y The Discourse of Social Movements: Communication and Religion; (3 credits) Grade Method: REG/P-F/AUD.

0101	Nneka Ifeoma Ofulue	Seats (Total: 70)
	TuTh 5:00pm - 6:15pm	SHM 2102

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SKN 0104

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Sanja Novitsky TuTh 2:00pm - 3:15pm	Seats (Total: 40) PHY 1402
0201	Sanja Novitsky TuTh 3:30pm - 4:45pm	Seats (Total: 40) SYM 0200

COMM476 **Language, Communication, and Action**

COMM476 Language, Communication, and Action; (3 credits) Grade Method: REG/P-F/AUD.
The nature of communication as symbolic action. Topics include language, meaning, intention, understanding, and consequences of communication.

SG91	Frederic Whiting TuTh 3:30pm - 4:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 3211

COMM482 **Intercultural Communication**
Contact department for information to register for this course.

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Abbey Levenshus TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 1108

0201	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1162
0401	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1114

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498A **Seminar; Communication Through Social Media**

COMM498A Seminar: Communication Through Social Media; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Lois Lipman W 4:30pm - 7:00pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 20) BLD3 3212

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Richard Toth Contact instructor or department for details.	Seats (Total: 20)

COMM605 **Interpersonal Arguing**

COMM605 Interpersonal Arguing; (3 credits) Grade Method: REG/AUD. Examination of interpersonal arguing. Topics include invention, form, and editing of argumentative content, presentation of such content in face-to-face conversation, and reaction to the content. Cognitive and other psychological approaches predominate, but some attention is given to rhetorical and philosophical traditions.

0101	Dale Hample M 7:00pm - 10:00pm	Seats (Total: 15) SKN 2127

COMM631 **Seminar in Public Relations Publics**

COMM631 Seminar in Public Relations Publics; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 631. Credit will be granted for only one of the following: COMM 631 or JOUR 631. Formerly JOUR631. Analysis of public relations programs aimed at organizational publics. Media, issue-related, community, employee, governmental, consumer, financial, and student/educator publics. Theories of the nature of publics, communication behavior of publics, and effects of public relations programs aimed at different publics.

0101	Elizabeth Toth W 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM661 **Communication and Social Change**

COMM661 Communication and Social Change; (3 credits) Grade Method: REG/AUD.
Place of rhetoric as the union of the moral and historical in moments of social definition. Reviews theories of discourse in social change including political change, social movements, consciousness change, and more global change. Application to contemporary change.

0101	Kristjana Maddux Th 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM702 **Intermediate Quantitative Data Analysis in Communication Research: The General Linear Model**

COMM702 Intermediate Quantitative Data Analysis in Communication Research: The General Linear Model; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 700 or permission of instructor. Formerly SPCH702. Data analysis in current communication research. Techniques include regression, correlation, factor analysis, matrix algebra, covariance structure, and path diagrams. Students will be expected to have completed a methods course and a statistics course or tested equivalent competencies.

0101	Edward Fink W 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM715 **Advanced Qualitative Methods in Communication Research**

COMM715 Advanced Qualitative Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM714 or equivalent. Advanced data analysis of qualitative data in Communication research. In-field research and techniques for analysis of data from in-field work.

0101	Sahar Khamis Th 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM738G **Seminar in Mediated Communication; Gender, Media and Culture**

COMM738G Seminar in Mediated Communication: Gender, Media and Culture; (3-12 credits) Grade Method: REG/AUD.

0101	Sahar Khamis M 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM738V **Seminar in Mediated Communication; Visuality and The Media**

COMM738V Seminar in Mediated Communication: Visuality and The Media; (3-12 credits) Grade Method: REG/AUD.

0101	Shawn Parry-Giles	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM783 **Seminar in Intercultural Communication**

COMM783 Seminar in Intercultural Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 683 or equivalent. Not open to students who have completed COMM 682. Credit will be granted for only one of the following: COMM 682 or COMM 783. Formerly COMM682. Concentrates on theoretical and methodological issues in intercultural communication research.

0101	Meina Liu	Seats (Total: 15)
	W 1:00pm - 3:30pm	SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Spring 2012

CONS608 **Seminar in Sustainable Development and Conservation Biology; Conservation Biology**

CONS608 Seminar in Sustainable Development and Conservation Biology: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Amy Villamagna Th 11:00am - 12:00pm	Seats (Total: 30) BPS 1238

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1 credit) Grade Method: S-F.

0101	Karen Lips Contact instructor or department for details.	Seats (Total: 20)
0102	Amy Villamagna Contact instructor or department for details.	Seats (Total: 20)

CONS680 **Problem Solving in Conservation/Development**

CONS680 Problem Solving in Conservation/Development; (4 credits) Grade Method: REG/AUD.
Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	Melissa Carrier, Karen Lips	Seats (Total: 24)
	MW 1:00pm - 4:30pm	COL 0107

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP College Park Scholars Program Spring 2012

CPSP119A **College Park Scholars First-Year Colloquium II**

CPSP119A College Park Scholars First-Year Colloquium II; (1-2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Arts. Workshops will be negotiated during the first week of class.

0101	Harold Burgess	Seats (Total: 80)
	M 6:00pm - 8:00pm	CCC 1100

CPSP119B **College Park Scholars First-Year Colloquium II**

CPSP119B College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 40) VMH 1333	
	This section will meet on January 31, February 14, February 28, March 13, April 3, April 17, and May 1.		
0201	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 40) VMH 1333	
	This section will meet on February 7, February 21, March 6, March 27, April 10, April 24, and May 8.		

CPSP119D **College Park Scholars First-Year Colloquium II**

CPSP119D College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 40) CSS 2428	

CPSP119E **College Park Scholars First-Year Colloquium II**

CPSP119E College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Environment, Technology and Economy. Each week we will meet in plenary OR section NOT both. The first week will be in plenary.

0101	Becky Archer Tu 5:00pm - 6:15pm Tu 4:00pm - 4:50pm	Seats (Total: 20) CSS 2400 CCC 1105	 Discussion
0102	Becky Archer Tu 5:00pm - 6:15pm Tu 5:00pm - 5:50pm	Seats (Total: 20) CSS 2400 CCC 1105	 Discussion
0103	Becky Archer Tu 5:00pm - 6:15pm Th 3:00pm - 3:50pm	Seats (Total: 20) CSS 2400 CCC 1115	 Discussion

0104	Becky Archer Tu 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 20) CSS 2400 CCC 1115	Discussion

CPSP119F **College Park Scholars First-Year Colloquium II**

CPSP119F College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health.

0101	Muhiuddin Haider Tu 4:00pm - 5:30pm	Seats (Total: 80) CCC 1205

CPSP119G **College Park Scholars First-Year Colloquium II**

CPSP119G College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science and Global Change.

0101	Thomas Holtz Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP119L **College Park Scholars First-Year Colloquium II**

CPSP119L College Park Scholars First-Year Colloquium II; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

0101	Reid Compton W 3:30pm - 5:30pm	Seats (Total: 100) PLS 1140

CPSP119N **College Park Scholars First-Year Colloquium II**

CPSP119N College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-International Studies.

0101	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1100

0102	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1200
0103	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1115
0104	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CBD 1140

CPSP119P **College Park Scholars First-Year Colloquium II**

CPSP119P College Park Scholars First-Year Colloquium II; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

0101	Sarah Cardona, David Crocker Tu 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 35) CCC 1111
0201	Sarah Cardona W 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 27) CCC 1105
0301	Sarah Cardona W 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 27) CCC 1105

CPSP119T **College Park Scholars First-Year Colloquium II**

CPSP119T College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Technology and Society.

0101	Betsy Mendelsohn, Frederic Katz, Matthew Aruch M 3:30pm - 4:50pm	Seats (Total: 75) CCC 1205

CPSP219A **College Park Scholars Second-Year Colloquium II**

CPSP219A College Park Scholars Second-Year Colloquium II; (1-2 credits)
Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars Arts students. Workshops will be negotiated during the first week of class.

0101	Harold Burgess Tu 6:00pm - 8:00pm	Seats (Total: 75) CCC 1205

CPSP219L **College Park Scholars Second-Year Colloquium II**

CPSP219L College Park Scholars Second-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

0101	David Straney Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0201	Tammatha O'Brien Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0301	Marcia Shofner Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0401	Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1172

CPSP222 **Analyzing Media Practice through Theory**

CPSP222 Analyzing Media Practice through Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: CPSP118J. Limited to students enrolled in the Scholars Media, Self and Society Program. Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences. Restricted to College Park Scholars (CPMS).
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Kalyani Chadha TuTh 12:30pm - 1:45pm	Seats (Total: 80) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Capstone course for College Park Scholars - Science, Technology, and Society Program.* Exploration and understanding of ways science and technology shape and are shaped by society. Open to students registered to earn the University Certificate Program in Science, Technology, and Society.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105
0201	Frederic Katz TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1105

CPSP239A **Practicum: Internship; Arts**

CPSP239A Practicum: Internship: Arts; (1-3 credits) Grade Method: REG. Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 8:00pm	Seats (Total: 80) CCC 1100

CPSP239B **Practicum: Internship**

CPSP239B Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Business, Society and the Economy..

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 45)

CPSP239D **Practicum: Internship**

CPSP239D Practicum: Internship; (1-3 credits) Grade Method: REG. Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm	Seats (Total: 60) CCC 1100

CPSP239E **Practicum: Internship**

CPSP239E Practicum: Internship; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Economy. Each week, this course will meet in plenary OR section, but NOT both. The first week of classes will be in plenary.

0101	Becky Archer, Elizabeth Gillan Th 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 19) CCC 1100 CCC 1105	Discussion
0102	Elizabeth Gillan, Becky Archer Th 5:00pm - 6:15pm Contact instructor or department for details. *This section meets on Thursday from 5:00-5:50pm in CCC1105.*	Seats (Total: 19) CCC 1100	
0103	Elizabeth Gillan, Becky Archer Th 5:00pm - 6:15pm Contact instructor or department for details. *This section meets on Thursday from 6:00-6:50pm in CCC1105.*	Seats (Total: 19) CCC 1100	

CPSP239F **Practicum: Internship**

CPSP239F Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health.

0101	Muhiuddin Haider, Colleen Farmer, Donna Howard Contact instructor or department for details.	Seats (Total: 50)

CPSP239G **Practicum: Internship**

CPSP239G Practicum: Internship; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz Contact instructor or department for details.	Seats (Total: 75)

CPSP239J **Practicum: Internship**

CPSP239J Practicum: Internship; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 75)
	Contact instructor or department for details.	

CPSP239L **Practicum: Internship**
Contact department for information to register for this course.

CPSP239N **Practicum: Internship**

CPSP239N Practicum: Internship; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies.

0101	James Glass	Seats (Total: 40)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP239P **Practicum: Internship**

CPSP239P Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

0101	Jennifer Littlefield	Seats (Total: 30)
	Contact instructor or department for details.	

CPSP239T **Practicum: Internship**

CPSP239T Practicum: Internship; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn	Seats (Total: 20)
	Th 3:40pm - 5:00pm	CCC 1111

CPSP249A **Practicum: Service-Learning**

CPSP249A Practicum: Service-Learning; (1-2 credits) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 14)
	W 5:00pm - 7:00pm	CCC 1105

CPSP249B **Practicum: Service-Learning**

CPSP249B Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 25)

CPSP249D **Practicum: Service-Learning**

CPSP249D Practicum: Service-Learning; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm	Seats (Total: 35) CCC 1100

CPSP249E **Practicum: Service-Learning**

CPSP249E Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Environment, Technology and Economy.

0101	Becky Archer, Elizabeth Gillan Contact instructor or department for details.	Seats (Total: 20)

CPSP249F **Practicum: Service-Learning**

CPSP249F Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health.

0101	Colleen Farmer, Muhiuddin Haider, Donna Howard Contact instructor or department for details.	Seats (Total: 50)

CPSP249G **Practicum: Service-Learning**

CPSP249G Practicum: Service-Learning; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249J **Practicum: Service-Learning**

CPSP249J Practicum: Service-Learning; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249K **Practicum: Service-Learning**
Contact department for information to register for this course.

CPSP249L **Practicum: Service-Learning**

CPSP249L Practicum: Service-Learning; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249N **Practicum: Service-Learning; International Studies**

CPSP249N Practicum: Service-Learning: International Studies; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies

0101	James Glass	Seats (Total: 15)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP249P **Practicum: Service-Learning**
Contact department for information to register for this course.

CPSP249T **Practicum: Service-Learning**

CPSP249T Practicum: Service-Learning; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Science, Technology and Society.

0101	William Evans W 3:30pm - 4:50pm	Seats (Total: 12) PAC 1108
0201	Matthew Aruch Tu 4:30pm - 6:00pm Contact instructor or department for details. *Enrollment is open to all Scholars student by seeking permission of instructor. Class will meet on the following dates: Jan. 31, Feb. 7, May 1, and May 8.*	Seats (Total: 14) CCC 1115

CPSP259A **Practicum: Research**
Contact department for information to register for this course.

CPSP259B **Practicum: Research**

CPSP259B Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 15)

CPSP259E **Practicum: Research**

CPSP259E Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Environment, Technology and Economy.

0101	Elizabeth Gillan, Becky Archer Contact instructor or department for details.	Seats (Total: 10)

CPSP259F **Practicum: Research**

CPSP259F Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Global Public Health.

0101	Donna Howard, Colleen Farmer, Muhiuddin Haider Contact instructor or department for details.	Seats (Total: 20)

CPSP259G **Practicum: Research; Science and Global Change**

CPSP259G Practicum: Research: Science and Global Change; (1-3 credits)
Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science and Global Change.

0101	Thomas Holtz	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP259J **Practicum: Research**

CPSP259J Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Media, Self and Society.

0101	Kalyani Chadha	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP259L **Practicum: Research**

CPSP259L Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

0101	Reid Compton	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP259N **Practicum: Research**

CPSP259N Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-International Studies.

0101	James Glass	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP259P **Practicum: Research**

CPSP259P Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

0101	David Crocker	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP269A **Practicum: Peer Teaching**

CPSP269A Practicum: Peer Teaching; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Harold Burgess	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP269B **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269D **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269E **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269F **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269G **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269J **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269L **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269N **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269P **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP279A **Practicum: Study Abroad; Scholars Study Abroad Practicum**
Contact department for information to register for this course.

CPSP279B **Practicum: Study Abroad; Business, Society and the Economy**

CPSP279B Practicum: Study Abroad: Business, Society and the Economy; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Business, Society and the Economy.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 22)

CPSP279F **Practicum: Study Abroad**

CPSP279F Practicum: Study Abroad; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Global Public Health.

0101	Donna Howard, Muhiuddin Haider, Colleen Farmer Contact instructor or department for details.	Seats (Total: 15)

CPSP339 **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339F **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339G **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339J **Advanced Practicum: Internship**

	Contact department for information to register for this course.
CPSP339L	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP339N	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP339T	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP349A	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349B	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349D	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349E	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349F	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349G	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349J	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349L	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**

CPSP349N **Advanced Practicum: Service Learning**
Contact department for information to register for this course.

CPSP349P **Advanced Practicum: Service Learning**
Contact department for information to register for this course.

CPSP349T **Advanced Practicum: Service Learning**
Contact department for information to register for this course.

CPSP359 **Advanced Practicum: Research**

CPSP359 Advanced Practicum: Research; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 4, 2012.

0101	David Eubanks	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CCC 1111

CPSP359A **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359B **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359D **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359E **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359F **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359G **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359J **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359L **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359N **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359P **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359T **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359W **Advanced Practicum: Research**

CPSP359W Advanced Practicum: Research; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 4, 2012. Friday lab will take place at the Library of Congress.

0101	Robert Garber Tu 11:00am - 12:15pm F 8:30am - 12:30pm	Seats (Total: 8) CCC 1111 Location: TBA	 Lab

CPSP369 **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369A **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369B **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369D **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369E **Advanced Practicum: Peer Teaching; ..**
Contact department for information to register for this course.

CPSP369F **Advanced Practicum: Peer Teaching; Guided CPS Teaching**
Contact department for information to register for this course.

CPSP369G **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369J **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369L **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369P **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369T **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP379B **Advanced Practicum: Study Abroad; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

CPSP379D **Advanced Practicum: Study Abroad; United Arab Emirates: Global Immersion**
Contact department for information to register for this course.

CPSP388B **Advanced Special Topics in College Park Scholars; Innovation**

CPSP388B *(PermReq)* **Advanced Special Topics in College Park Scholars: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Wellman	Seats (Total: 30)
	Th 7:00pm - 9:45pm	Location: TBA

CPSP388C **Advanced Special Topics in College Park Scholars; Value Chain Challenges of the Cruise Ship Industry**
Contact department for information to register for this course.

CPSP388P **Advanced Special Topics in College Park Scholars; Leadership and Social Change**

CPSP388P Advanced Special Topics in College Park Scholars: Leadership and Social Change; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars: Public Leadership Students.

0101	David Crocker	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	CCC 1200	

DANC Dance Spring 2012

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Sharon Mansur	Seats (Total: 25)	
	TuTh 11:00am - 12:15pm	PAC 1610	Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Florian Rouiller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab
0102	Florian Rouiller	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	PKT 2102	Lab

DANC138C **Introduction to Ethnic Dance; Chinese Folk Dance**

DANC138C Introduction to Ethnic Dance: Chinese Folk Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Xuejuan Feng	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PKT 2102	Lab

DANC138W **Introduction to Ethnic Dance; West African Dance**

DANC138W Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Kwame Opare TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1912	
0102	Kwame Opare TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Graham Brown MW 9:30am - 10:45am	Seats (Total: 30) PAC 1912	Lab
0102	Xuejuan Feng MW 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab
0103	Erin Crawley-Woods TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Nathan Andary TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 1912	Lab
0102	Stephanie Miracle TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1610	Lab

DANC179 **Movement Integration; Movement Integration**

DANC179 *(PermReq)* **Movement Integration: Movement Integration; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Nathan Andary TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1610	Lab

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**

DANC199 *(PermReq)* **Practicum in Choreography, Production and Performance I: Dance Workshop I; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Jessica Laurita-Spanglet TuTh 11:00am - 12:15pm	Seats (Total: 33) SQH 1101	
0201	Shannon Dooling TuTh 12:30pm - 1:45pm	Seats (Total: 34) SQH 1101	
0301	Emily Oleson TuTh 2:00pm - 3:15pm	Seats (Total: 33) SQH 1101	
0401	Erin Crawley-Woods TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1103	

DANC208 **Choreography I**

DANC208 *(PermReq)* **Choreography I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisites: DANC102 and DANC109; and permission of department. For Dance majors.

0101	Alvin Mayes MWF 2:00pm - 3:20pm	Seats (Total: 16) PAC 1912	 Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1908	 Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith TuTh 9:30am - 10:45am	Seats (Total: 28) PAC 1908	 Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1610	 Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang MWF 11:00am - 12:20pm	Seats (Total: 8) PAC 1610	 Lab
0102	Alvin Mayes MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1912	 Lab

DANC283 **Foundations of Dance History**

DANC283 Foundations of Dance History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Introduction to the historical throughlines of dance theory. Analysis of the structure, context, and content of dance works.

0101	Miriam Phillips TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 2804	

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**

DANC299 *(PermReq)* **Practicum in Choreography, Production and Performance II: Dance Workshop II; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC305 **Principles of Teaching Dance**

DANC305 Principles of Teaching Dance; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: DANC102, DANC208, and DANC248.* Theory and practice of dance instruction including methods, lesson plans and practice teaching.

0101	Karen Bradley	Seats (Total: 20)	
	MW 9:30am - 10:45am	PAC 1908	

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC208.

0101	Sharon Mansur	Seats (Total: 18)	
	MWF 3:30pm - 4:50pm	PAC 1912	Lab

DANC328 **Ballet III; Ballet III for Majors**

DANC328 *(PermReq)* **Ballet III: Ballet III for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 17)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV; Ballet IV for Majors**

DANC329 *(PermReq)* **Ballet IV: Ballet IV for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 13)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Alvin Mayes	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab
0102	Patrik Widrig	Seats (Total: 11)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Patrik Widrig	Seats (Total: 14)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC398 **Directed Studies in Dance**

DANC398 *(PermReq)* **Directed Studies in Dance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**

DANC399 *(PermReq)* **Practicum in Choreography, Production and Performance III: Dance Workshop III; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Prerequisite: DANC 299.

Contact department for information to register for this course.

DANC420 **Partnering**

DANC420 *(PermReq)* **Partnering; (2 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Elements of contemporary partnering including weight sharing, counter balancing, momentum/leverage, lifting and moving responsively.

0101	Alvin Mayes	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	PAC 1908	

DANC448 **Modern Dance V**

DANC448 *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang	Seats (Total: 6)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC466 **Laban Movement Analysis**

DANC466 *(PermReq)* **Laban Movement Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
For DANC majors only. Introduction to Rudolf Laban's system of qualitative movement analysis in relation to understanding personal movement style. Application to dance performance, teaching, composition and research.

0101	Anne Warren	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1912	Lab

DANC479 **Advanced Practicum in Dance**

DANC479 Advanced Practicum in Dance; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC485 **Seminar in Dance**

DANC485 Seminar in Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: DANC483. Senior standing. For DANC majors only. Formerly DANC484.
Individual research leading to a presentation with written documentation of the process, serving as a culmination of undergraduate study for dance majors.

0101	Karen Bradley	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PAC 1809

DANC488 **Project-Based Learning**

DANC488 *(PermReq)* **Project-Based Learning; (4 credits)** Grade Method: REG/P-F/AUD.

0101	Patrik Widrig, Sara Pearson	Seats (Total: 15)
	TuTh 3:30pm - 6:30pm	PAC 1610

DANC489F **Special Topics in Dance; Flamenco Dance**

DANC489F *(PermReq)* **Special Topics in Dance: Flamenco Dance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Miriam Phillips	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PAC 1908

DANC499 **Practicum in Choreography, Production and Performance IV**

DANC499 *(PermReq)* **Practicum in Choreography, Production and Performance IV; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 399.

Contact department for information to register for this course.

DANC610 **Workshop in the Direction of Dance Production**

DANC610 Workshop in the Direction of Dance Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: DANC 410 or equivalent. A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Paul Jackson	Seats (Total: 5)	
	MW 3:30pm - 4:50pm	PAC 1924	Lab

DANC611 **Dance Technology and Media**

DANC611 Dance Technology and Media; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Project-based development of media and technological support for dance performance, archiving, and portfolio design, development and implementation.

0101	Paul Jackson	Seats (Total: 5)	
	MW 9:30am - 10:45am	PAC 1610	

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC679 **Graduate Dance Performance; Grad Dance Performance**

DANC679 Graduate Dance Performance: Grad Dance Performance; (1-3 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 2)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0301	Anne Warren Contact instructor or department for details.	Seats (Total: 2)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 2)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 2)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 2)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 2)

DANC689F **Special Topics in Dance; Flamenco Dance**

DANC689F Special Topics in Dance: Flamenco Dance; (3 credits) Grade Method: REG/AUD.

0101	Miriam Phillips TuTh 3:30pm - 4:45pm	Seats (Total: 5) PAC 1908

DANC689P **Special Topics in Dance; Contemporary Partnering**

DANC689P Special Topics in Dance: Contemporary Partnering; (3 credits) Grade Method: REG/AUD.

0101	Alvin Mayes TuTh 2:00pm - 3:15pm	Seats (Total: 5) PAC 1908

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC708 **Choreography II; Collaborative Work**

DANC708 Choreography II: Collaborative Work; (3 credits) Grade Method: REG/AUD.

0101	Sara Pearson	Seats (Total: 5)
	M 3:30pm - 4:50pm	PAC 1610
	W 3:30pm - 4:50pm	PAC 1610

DANC766 **Movement Observation and Analysis**

DANC766 Movement Observation and Analysis; (2 credits) Grade Method: REG/AUD.
Prerequisite: Admission to MFA in Dance or permission of department. Aspects of cultural and nonverbal analysis, developmental movement, kinesiological analysis, Laban Movement Analysis, with the goal of developing the student/teacher's ability to observe macro and micro levels of detail.

0101	Miriam Phillips	Seats (Total: 5)
	MW 11:00am - 12:15pm	PAC 1924

DANC777 **Internship in Dance**

DANC777 *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F.
Prerequisite: Admission to MFA in Dance; and permission of department. For DANC majors only. Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0701	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 6)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 6)
0301	Anne Warren Contact instructor or department for details.	Seats (Total: 6)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 6)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 6)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 6)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 6)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 6)
0901	Erin Glasspatrick Contact instructor or department for details.	Seats (Total: 6)
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 6)

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON Economics Spring 2012

ECON155 **Economics and the College Affordability Crisis**

ECON155 Economics and the College Affordability Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education? Click here for more course information.

0101	Cindy Clement MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 10) TYD 0102 WDS 1130	 Discussion
0102	Cindy Clement MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 10) TYD 0102 KEY 0119	 Discussion
0103	Cindy Clement MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 10) TYD 0102 KEY 0125	 Discussion
0104	Cindy Clement MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 10) TYD 0102 SYM 0209	 Discussion
0105	Cindy Clement MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 10) TYD 0102 SKN 1112	 Discussion

0106	Cindy Clement MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 10) TYD 0102 KEY 0119	Discussion

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	John Straub TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 0102	Discussion
2102	John Straub TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2103	John Straub TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2104	John Straub TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 0102	Discussion
2105	John Straub TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2106	John Straub TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion

2107	John Straub TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2108	John Straub TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2109	John Straub TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 KEY 0103	Discussion
2110	John Straub TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2111	John Straub TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2112	John Straub TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2113	John Straub TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 KEY 0103	Discussion
2114	John Straub TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2401	Peter Coughlin TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
2402	Peter Coughlin TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 0102	Discussion

2403	Peter Coughlin TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 1108	Discussion
2404	Peter Coughlin TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
2405	Peter Coughlin TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 0102	Discussion
2406	Peter Coughlin TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
2407	Peter Coughlin TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
2408	Peter Coughlin TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 TYD 0102	Discussion
2409	Peter Coughlin TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TYD 0102	Discussion
BL01	Robert Schwab TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 420) TYD 0130 TYD 0130	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		

ECON201 Principles of Macro-Economics

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

1101	Naveen Sarna TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 440) TYD 0130 TYD 0130	 Discussion
2101	John Shea MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 440) TYD 0130 TYD 0130	 Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of C- or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) MMH 1400 TYD 2109	 Discussion
0102	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) MMH 1400 TYD 1108	 Discussion
0103	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 2109	 Discussion

0104	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 1108	Discussion
0105	Peter Cramton TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) MMH 1400 TYD 2109	Discussion
0106	Peter Cramton TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) MMH 1400 TYD 2111	Discussion
0201	Shrayes Ramesh MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri TuTh 11:00am - 12:15pm	Seats (Total: 240) LEF 2205

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (ECON200 or AREC250), ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Charles Hulten MW 11:00am - 12:15pm	Seats (Total: 240) VMH 1212

ECON312 **American Economics After the Civil War**

ECON312 American Economics After the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Topics include: the economics of the Civil War, the performance of southern agriculture in the late 19th century, the rise of large corporations, industrialization, the development of financial markets, the creation of the Federal Reserve Board, the economics of the Great Depression and the New Deal, the economic impact of World War II, and the rise of the modern service economy in the late 20th century.

0101	John Wallis MW 2:00pm - 3:15pm	Seats (Total: 120) ASY 2203

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Credit will be granted for only one of the following: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Stefania Scandizzo MWF 1:00pm - 1:50pm	Seats (Total: 40) TYD 0101

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. For ECON majors only or by permission of department. Credit will be granted for only one of the following: ECON398C or ECON317. Formerly ECON398C.* Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of C- or better. For ECON majors only. Not open to students who have completed BMGT230 or BMGT231 (unless with department permission). Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Rafael Dix Carneiro MW 11:00am - 12:15pm	Seats (Total: 109) SQH 1120
0201	Jason Hulbert TuTh 12:30pm - 1:45pm	Seats (Total: 120) LEF 2205

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of C- or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sadik Aruoba MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 28) HJP 0226 TYD 1114	Discussion
0102	Sadik Aruoba MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 28) HJP 0226 TYD 1132	Discussion
0103	Sadik Aruoba MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 28) HJP 0226 TYD 1132	Discussion
0104	Sadik Aruoba MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 28) HJP 0226 TYD 2110	Discussion
0105	Sadik Aruoba MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) HJP 0226 TYD 1114	Discussion
0106	Sadik Aruoba MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) HJP 0226 TYD 1132	Discussion
0107	Sadik Aruoba MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 28) HJP 0226 TYD 1114	Discussion
0108	Sadik Aruoba MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 29) HJP 0226 TYD 1132	Discussion

0201	Maksim Belenkiy TuTh 6:30pm - 7:45pm	Seats (Total: 40) TYD 0101	

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of C- or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	John Ham TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0117 TYD 2108	 Discussion
0102	John Ham TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 TYD 2108	 Discussion
0103	John Ham TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0117 TYD 2108	 Discussion
0201	Ginger Jin MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 TYD 2110	 Discussion
0202	Ginger Jin MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 KEY 0103	 Discussion
0203	Ginger Jin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 TYD 2108	 Discussion
0204	Ginger Jin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 TYD 2111	 Discussion

0205	Ginger Jin MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 2102	Discussion
0206	Ginger Jin MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 TYD 2110	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri TuTh 9:30am - 10:45am	Seats (Total: 300) TYD 0130

ECON340 **International Economics**
Contact department for information to register for this course.

ECON358C **Special Topics in Study Abroad III; Economic Integration and Common Markets**
Contact department for information to register for this course.

ECON358E **Special Topics in Study Abroad III; Environmental Economics**
Contact department for information to register for this course.

ECON358T **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**
Contact department for information to register for this course.

ECON358Z **Special Topics in Study Abroad III; European Integration I**
Contact department for information to register for this course.

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA of 2.75 or higher; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON397 **Honors Thesis**

ECON397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ECON396 and candidacy for honors in economics. General supervision will be provided through assembled meetings with the professor in charge of the course.

0101	Melissa Kearney	Seats (Total: 15)
	W 2:00pm - 4:45pm	WDS 1131

ECON398A **Topics in Economics; Cost Benefit Analysis**

ECON398A Topics in Economics: Cost Benefit Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321, ECON325, and ECON326. For ECON majors only. See Dept. Advising Office for course description.

0101	Ephraim Leibtag	Seats (Total: 40)
	MW 6:00pm - 7:15pm	TYD 0102

ECON398E **Topics in Economics; Environmental Economics**
Contact department for information to register for this course.

ECON398H **Topics in Economics; UK Economy & Financial Systems**
Contact department for information to register for this course.

ECON398K **Topics in Economics; Competitive Market Structures**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial System**
Contact department for information to register for this course.

ECON398M **Topics in Economics; Economics of Employment**
Contact department for information to register for this course.

ECON398Z **Topics in Economics; Business Economics**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399M **Individual Readings and Research For Undergraduates; Economy and Society**
Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	Bruce Phillips MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 1102
0201	Bruce Phillips MW 3:30pm - 4:45pm	Seats (Total: 40) TYD 2106

ECON402 **Macroeconomic Models and Forecasting**

ECON402 Macroeconomic Models and Forecasting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 with a grade of C- or better (ECON305 by permission of department). For ECON majors only. Analysis of the fluctuations in economic activity and the formulation and use of forecasting models of the economy. Illustrations of computer macro models and forecasting problems.

0101	Douglas Meade TuTh 3:30pm - 4:45pm	Seats (Total: 36) PLS 1129

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: CMSC474, ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Eliane Catilina TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 0111
0201	Nuno Limao TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1108
0301	Hei Chan MW 9:30am - 10:45am	Seats (Total: 40) TYD 1114
0401	Nuno Limao TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1108

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of C- or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Wei Li MW 9:30am - 10:45am	Seats (Total: 40) TYD 1101
0201	Jeffrey Werling TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2106

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of C- or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0201	John Chao TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1102
0301	Razvan Vlaicu TuTh 11:00am - 12:15pm	Seats (Total: 40) WDS 1114
0401	Hyungsik Moon MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1114
0501	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 65) TYD 0117

ECON423 **Econometrics II**

ECON423 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON422 and permission of department.* Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0201	Pablo D'Erasmo MW 11:00am - 12:15pm	Seats (Total: 40) TYD 2108

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of C- or better. For ECON majors only. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS. Meets in computer labs 3 and 4 in LeFrak (0229 and 0231).

0101	John Straub TuTh 2:00pm - 3:15pm	Seats (Total: 38) LEF LAB3
0401	John Straub TuTh 3:30pm - 4:45pm	Seats (Total: 38) LEF LAB3
0501	Paul Bailey TuTh 9:30am - 10:45am	Seats (Total: 36) PLS 1129
0601	Yichen Zhou TuTh 11:00am - 12:15pm	Seats (Total: 36) LEF LAB3

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Finance majors will not receive credit for ECON435. Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed BMGT343 (for credit). Credit will be granted for only one of the following: BMGT343 or ECON435. Formerly ECON398F. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Alvaro Pedraza TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2110

ECON441 **Theory of International Economics**

ECON441 Theory of International Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of C- or better (or ECON305 an d ECON306 by permission of department). For ECON majors only. Not open to students who have completed ECON340. Credit will be granted for only one of the following: ECON340 or ECON441. Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

0101	Stefania Scandizzo MWF 10:00am - 10:50am	Seats (Total: 40) TYD 0101
0201	Stefania Scandizzo MWF 11:00am - 11:50am	Seats (Total: 40) TYD 0102

ECON442 **Globalization and Capital Markets**

ECON442 Globalization and Capital Markets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of C- or better (or ECON305 and ECON 306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398M or ECON442. Formerly ECON398M. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Ling Zhu	Seats (Total: 40)
	MW 12:30pm - 1:45pm	TYD 1114

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	TYD 1101

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TYD 2102

0201	Charles Baschnagel TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0102

ECON456 **Law and Economics**

ECON456 Law and Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only.* Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity issues in the rule and market environment.

0101	Jason Hulbert TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1101
0201	Jason Hulbert TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0117

ECON458I **Special Topics in Study Abroad IV; European Integration and Economic and International Law**
Contact department for information to register for this course.

ECON458P **Special Topics in Study Abroad IV; Pricing Policy**
Contact department for information to register for this course.

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only.* Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0201	Eliane Catilina TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0101
0301	Eliane Catilina TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0101

ECON465 **Health Care Economics**

ECON465 Health Care Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of C- or better (or ECON306 by permission of department). For ECON majors only. Analysis of health care, the organization of its delivery and financing. Access to care; the role of insurance; regulation of hospitals, physicians, and the drug industry; role of technology; and limits on health care spending.

0101	Warren Greenberg	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	ASY 3207	

ECON470 **Theory of Labor Economics**
Contact department for information to register for this course.

ECON602 **Macroeconomic Analysis II**

ECON602 *(PermReq)* **Macroeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

0101	Sadik Aruoba, John Haltiwanger	Seats (Total: 48)	
	MW 9:30am - 10:45am	TYD 0117	
	M 5:00pm - 6:45pm	TYD 2108	Discussion

ECON604 **Microeconomic Analysis II**

ECON604 *(PermReq)* **Microeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

0101	Daniel Vincent, Erkut Ozbay	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	TYD 0101	
	F 12:00pm - 1:45pm	TYD 2106	Discussion

0201	Erkut Ozbay, Daniel Vincent	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	TYD 2110	
	F 3:00pm - 4:45pm	TYD 2106	Discussion

ECON613 **Origins and Development of Capitalism**

ECON613 Origins and Development of Capitalism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Advanced special students not permitted. Institutions and technology shaping pre-capitalist economies: Archaic, Greek and Roman, Feudal, and Mercantile. Rise of the market system, national economies, and capitalism. The nature of industrial society. Imperialism.

0101	John Wallis	Seats (Total: 20)
	MW 9:30am - 10:45am	TYD 2110

ECON615 **Economic Development of Less-Developed Areas**

ECON615 Economic Development of Less-Developed Areas; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Analysis of the forces contributing to and retarding economic progress in less-developed areas. Topics include the relationship of international trade to development, import-substituting and export-led industrialization, the effects of population growth on economic development, and the analysis of institutions and institutional change in land tenure, finance, and labor markets.

0101	Jessica Goldberg	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2108

ECON624 **Econometrics II**

ECON624 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON 623 or permission of department.* A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

0101	Hyungsik Moon, Ingmar Prucha	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TYD 1132	
	Th 5:30pm - 7:15pm	TYD 2108	Discussion

ECON625 **Computational Economics**

ECON625 Computational Economics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 604 and ECON 622; or ECON 721. Credit will be granted for only one of the following: ECON 625 or ECON 698R. Formerly ECON698R.* A one-semester course designed to give students tools for numerical dynamic programming and computation of related general equilibrium and game-theoretic problems.

0101	John Rust	Seats (Total: 20)
	MW 5:15pm - 6:30pm	TYD 1101

ECON661 **The Corporate Firm**

ECON661 *(PermReq)* **The Corporate Firm; (3 credits)** Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604.* This course examines firms' strategic behavior in a variety of settings and considers theories of the firm and industrial structure. Topics may include product choice, quality, advertising, consumer search and switch costs, manufacturer-retailer relations, manufacturer-supplier relations, vertical integration, and alternative industrial structures.

0101	Emel Filiz Ozbay	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1118

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON702 **Advanced Macroeconomics II**

ECON702 *(PermReq)* **Advanced Macroeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON601 and ECON602. Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

0101	Sadik Aruoba, Pablo D'Erasmo	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1114

ECON704 **Advanced Microeconomics II**

ECON704 *(PermReq)* **Advanced Microeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

0101	Lawrence Ausubel	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2102

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Raymond Guiteras	Seats (Total: 15)
	MW 12:30pm - 1:45pm	TYD 0111

0201	Rafael Dix Carneiro MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	Jessica Goldberg MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Peter Cramton MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0501	Sergio Urzua MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Ingmar Prucha TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 1108
0201	John Shea TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	Rafael Dix Carneiro TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	John Haltiwanger TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA
0501	Robert Schwab TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

ECON722 **Econometrics IV**

ECON722 *(PermReq)* **Econometrics IV; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON624 or permission of department. Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

0101	Ingmar Prucha, Hyungsik Moon	Seats (Total: 30)
	TuTh 5:00pm - 7:30pm	TYD 0102

ECON746 **Topics in International Trade**

ECON746 Topics in International Trade; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Topics include the impact of trade on labor markets; the role of international trade for economic development; the use of general equilibrium models for quantifying the gains from trade and the welfare and distributive effects of various trade shocks; the impact of trade on productivity; and dynamic models of trade.

0101	Rafael Dix Carneiro	Seats (Total: 20)
	MW 9:30am - 10:45am	TYD 2108

ECON747 **The Macreconomics of Imperfect Capital Markets**

ECON747 *(PermReq)* **The Macreconomics of Imperfect Capital Markets; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601 and ECON602, or ECON603 and ECON604, or permission of department. For ECON majors only. Credit will be granted for only one of the following: ECON698K or ECON747. Formerly ECON698K. After a brief overview of the micro-foundations of capital market imperfections, topics include limited commitment, the financial accelerator, liquidity, bubles, crises, the role of credit in monetary economics as well as international capital flows.

0101	Anton Korinek	Seats (Total: 20)
	F 1:00pm - 4:00pm	TYD 0111

ECON756 **Empirical Political Economics**

ECON756 Empirical Political Economics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON623, ECON624 and ECON754 or equivalent; and permission of department.* An introduction to empirical political economy. Determinants of individual political behavior and the impact of political rules on economic outcomes will both be analyzed. Modern applied econometric techniques will also be covered.

0101	Ethan Kaplan	Seats (Total: 20)
	MW 11:00am - 12:15pm	BPS 0283

ECON757 **Topics in Political Economy II**

ECON757 *(PermReq)* **Topics in Political Economy II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602, ECON604, or permission of department. Recommended: ECON754. A continuation of ECON754 Topics in Political Economy I. Topics will include: the informational role of special interest groups; campaign finance, including welfare analysis of campaign finance reform; advanced models of the political economy of redistribution, with emphasis on inefficient redistribution, intergenerational redistribution, and "pork barrel" politics; fairness and redistributive politics; the effects of alternative electoral systems; theoretical models of parliamentary democracies, government formation and political parties; accountability of government officials; and the political economy of federalism.

0101	Razvan Vlaicu, Allan Drazen	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 2102

ECON772 **Population Economics**

ECON772 *(PermReq)* **Population Economics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON 771 or permission of department.* Covers the central ideas in population economics. These include theories and test of theories of mortality, fertility and immigration.

0101	John Ham	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2108

ECON781 **Environmental Economics**

ECON781 Environmental Economics; (3 credits) Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624).* The study of economics as it applies to environmental issues and policies. Topics include: the theory of externalities and its implications, the design of environmental policies with applications, open-economy environmental economics encompassing the impact of international trade on the environment and global environmental management, and the measurement of the benefits and costs of environmental programs.

0101	Maureen Cropper MW 11:00am - 12:15pm	Seats (Total: 20) TYD 0101

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth**

ECON808 *(PermReq)* **Workshop on Macroeconomics and Growth; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	John Haltiwanger W 3:30pm - 6:00pm	Seats (Total: 20) TYD 0117
0201	Rafael Dix Carneiro W 3:30pm - 6:00pm	Seats (Total: 20) TYD 2102
0301	Daniel Vincent W 3:30pm - 6:00pm	Seats (Total: 20) TYD 2111

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 6:00pm	Seats (Total: 20) TYD 1132

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 *(PermReq)* **Workshop in International Development, and Comparative Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Daniel Vincent M 3:30pm - 6:00pm	Seats (Total: 30) TYD 2102

ECON868 **Workshop in Industrial Organization**

ECON868 *(PermReq)* **Workshop in Industrial Organization; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Erkut Ozbay Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 2108

ECON878 **Workshop in Labor Economics**

ECON878 *(PermReq)* **Workshop in Labor Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Ethan Kaplan Th 3:30pm - 6:00pm	Seats (Total: 30) TYD 0101
0201	Jessica Goldberg Th 3:30pm - 6:00pm	Seats (Total: 30) TYD 1114
0301	Sergio Urzua Th 3:30pm - 6:00pm	Seats (Total: 20) TYD 1118

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Spring 2012

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	Melissa Landa MW 9:30am - 10:45am	Seats (Total: 30) EDU 0114	
0201	Sarah Morris TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 2119	

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits) Grade Method: REG. CORE Literature (HL) Course.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) SQH 1120 EDU 3236	 Lab
0102	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) SQH 1120 EDU 2212	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.
An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Students will be given their lab assignments in class.

0101	Margaret Peterson Th 2:00pm - 3:50pm Th 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	Lab
	Mandatory orientation, Thursday, January 27, 2011, 8:30 A.M. - 9:30 A.M., EDU 2212.		
0102	Margaret Peterson Th 2:00pm - 3:50pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	Lab
	Mandatory orientation, Wednesday, January 26, 2011, 12:30 P.M. - 1:30 P.M., EDU 2212.		
0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	Lab
	Mandatory orientation, Tuesday, January 25, 2011, 8:30 A.M. - 9:30 A.M. EDU 2119.		
0202	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	Lab
	Mandatory orientation, Wednesday, January 26, 2011, 12:30 P.M. - 1:30 P.M., EDU 2212.		

EDCI281 **Cultural Competence, Leadership, and You**

EDCI281 Cultural Competence, Leadership, and You; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. Understanding aspects of global cultural competence, one's own biases, and research methods for understanding one's self and one's relationship to other cultures. Application to campus setting.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Sherick Hughes Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) TYD 1102 EDU 2101	 Lab
0102	Sherick Hughes Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) TYD 1102 EDU 3236	 Lab

EDCI288A **Special Topics in Teacher Education; Exploring Science Teaching**

EDCI288A Special Topics in Teacher Education: Exploring Science Teaching; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	David Cavallo Tu 5:00pm - 6:15pm	Seats (Total: 20) ASY 3221

EDCI288B **Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age**

EDCI288B Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination http://www.iseries.umd.edu/ Click here for more course information.

0101	June Ahn MW 10:00am - 11:15am	Seats (Total: 60) SQH 1119

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tilahun Beyene, Christina Scott, Sharon Vanwright, Antonio Acevedo-Ortiz Contact instructor or department for details.	Seats (Total: 150)

EDCI288L **Special Topics in Teacher Education; Exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: Exploring Teaching as a Career; (1 credit) Grade Method: REG/P-F/AUD.
Learn about current topics in education and participate as a tutor in a local school.

0101	Kristin Hamilton	Seats (Total: 25)
	M 5:00pm - 7:00pm	ASY 3219

EDCI288O **Special Topics in Teacher Education; Exploring Teaching in America Counts/Reads**

EDCI288O *(PermReq)* **Special Topics in Teacher Education: Exploring Teaching in America Counts/Reads; (1-2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Application and brief interview. Apply at: www.arac.umd.edu. Four to six hours each week in local elementary school working with children in reading or math through the America Reads*America Counts program. Transportation provided. Class will meet every week.

0101	Alison Barlow, Lauren Fryer	Seats (Total: 20)
	Th 12:30pm - 1:45pm	HBK 0108
	Contact instructor or department for details.	

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI386 **Experiential Learning**

EDCI386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Prerequisite: permission of department. Junior standing.

0101	Suh Hwang	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
	Restricted to TaLK program students only.	

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

EDCI397 *(PermReq)* **Principles and Methods of Teaching in Elementary Schools; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program and 2.5 GPA. For education majors only. Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101	Lisa Bote TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 2121
0201	Lisa Bote TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 2121
0301	Tracy Dunheimer, Susan Denvir TuTh 12:30pm - 1:45pm	Seats (Total: 28) EDU 2212

EDCI401 **Student Teaching in Elementary School: Art**

EDCI401 Student Teaching in Elementary School: Art; (4-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI300. For art education majors only.

0101	Susan Hendricks Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 18)

EDCI402 **Student Teaching in Secondary Schools: Art**

EDCI402 Student Teaching in Secondary Schools: Art; (2-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI300. For art education majors only. Students must pay a $400.00 lab fee.

0101	Susan Hendricks Contact instructor or department for details.	Seats (Total: 18)

EDCI404 **Student Teaching Seminar: Art Education**

EDCI404 Student Teaching Seminar: Art Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to Teacher Education Program; 2.5 GPA: and EDCI300, EDCI400, EDCI405. Corequisite: EDCI401 and EDCI402. For art education majors only. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Margaret Walker Tu 4:15pm - 7:00pm *Class meets at Blair High School Rm: 132.*	Seats (Total: 8) EDU 1315

EDCI405 **Art Education Methods I**

EDCI405 *(PermReq)* **Art Education Methods I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and permission of department. For education majors only. Credit will be granted for only one of the following: EDCI300 or EDCI405. Formerly EDCI300. Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI407 **Practicum in Art Education: Three-Dimensional**

EDCI407 Practicum in Art Education: Three-Dimensional; (3 credits) Grade Method: REG/P-F/AUD.
For pre-art education and art education majors only. A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

0101	Margaret Walker M 9:00am - 12:00pm W 9:00am - 12:00pm	Seats (Total: 25) EDU 1315 EDU 1315

EDCI417 **Bases for English Language Instruction**

EDCI417 Bases for English Language Instruction; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; EDHD413; and EDHD420. Examines current theory, research, best practice, curricula and materials focused on the teaching of English language to native and non-native English learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, argument, discourse structure, dialects, edited academic English, English language proficiency (listening, speaking, reading, writing) assessment, and instructional planning. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

0101	Megan Callow, Rebecca Hessong Grove W 5:00pm - 7:45pm	Seats (Total: 30) ASY 3207

EDCI420 **Student Teaching Seminar in Secondary Education: Social Studies**

EDCI420 *(PermReq)* **Student Teaching Seminar in Secondary Education: Social Studies; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and EDCI426 and EDCI427. Corequisite: EDCI421 or EDCI422. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Catherine McCall Th 5:00pm - 7:00pm	Seats (Total: 30) EDU 2119

EDCI421 **Student Teaching in Secondary Schools: Social Studies/History**

EDCI421 Student Teaching in Secondary Schools: Social Studies/History; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI420. Students must pay a $400.00 lab fee.

0101	Catherine McCall Contact instructor or department for details.	Seats (Total: 30)

EDCI430 **Student Teaching Seminar in Secondary Education: Foreign Language**

EDCI430 Student Teaching Seminar in Secondary Education: Foreign Language; (1 credit) Grade Method: REG.
Prerequisite: 2.5 GPA; and EDCI410; and EDCI433. Corequisite: EDCI431. An analysis of teaching theory, strategies and techniques in the internship experience.

0101	Perla Blejer W 4:30pm - 6:30pm	Seats (Total: 12) EDU 3233

EDCI431 **Student Teaching in Secondary Schools: Foreign Language**

EDCI431 Student Teaching in Secondary Schools: Foreign Language; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and 2.5 GPA; and permission of department; and EDCI330. Corequisite: EDCI430. Practical experience as a full-time intern with a fully licensed foreign language teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 12)

EDCI434 **Pedagogy of Teaching English Language Learners**

EDCI434 Pedagogy of Teaching English Language Learners; (3 credits) Grade Method: REG.
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar translation and audiolingual to communicative and task-based approaches will be presented. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Students will have the opportunity to discuss, probe and apply theories and principles to hands-on teaching practices in real-life settings. Digital technologies that assist teaching English language learners (ELLs) will be emphasized as well.

0101	Dian Marissa, Ali Selvi MW 2:00pm - 3:15pm	Seats (Total: 24) EDU 0114
0201	Julian Chen Class time/details on ELMs *Restricted to TaLK program students.*	Seats (Total: 15) ONLINE

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDCI436 or EDCI488T. Formerly EDCI488T. Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Howard Stein M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0114
0201	Steven Sharp Class time/details on ELMs *Restricted to TaLK program students only.*	Seats (Total: 15) ONLINE

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI437 or EDCI488P. Formerly EDCI488P. Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Denis Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 25) EDU 1107

EDCI440 **Student Teaching Seminar in Secondary Education: English, Speech, Theatre**

EDCI440 Student Teaching Seminar in Secondary Education: English, Speech, Theatre; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI417. Corequisite: EDCI441. A review and analysis of current instructional theories, strategies and best practice in relation to the teaching internship. Meets at area high school; location provided before first meeting. Meets at Eleanor Roosevelt High School. Contact the EDCI department for more information.

0101	Peggy Wilson M 6:15pm - 7:15pm	Seats (Total: 35) Location: TBA

EDCI441 **Student Teaching in Secondary Schools: English**

EDCI441 Student Teaching in Secondary Schools: English; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and EDCI417. Corequisite: EDCI440. Practical experience as a full-time intern with a fully licensed English teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $400.00 lab fee.

0101	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Jessica DeMink-Carthew TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 2119
0201	Melissa Landa MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 2119
0301	Thor Gibbins TuTh 2:00pm - 3:15pm	Seats (Total: 30) TLF 1103

EDCI450 **Student Teaching Seminar in Secondary Education: Mathematics**

EDCI450 Student Teaching Seminar in Secondary Education: Mathematics; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI457; and EDCI455 or EDCI651. Corequisite: EDCI451 and EDCI474.. Strategies and techniques in the internship experience. Structured work on teaching portfolio (requirement for graduation and certification). Place, day, and time to be arranged. Meets at Roosevelt High School. Day and time to be arranged.

0101	John Seelke Contact instructor or department for details.	Seats (Total: 10)

EDCI451 **Student Teaching in Secondary Schools: Mathematics**

EDCI451 Student Teaching in Secondary Schools: Mathematics; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI450. Students must pay a $400.00 lab fee.

0201	John Seelke Contact instructor or department for details.	Seats (Total: 15)

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits) Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Rose Codling MW 11:15am - 12:30pm	Seats (Total: 25) EDU 3233
0201	Lauren Artzi TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Brecca Faust MW 9:30am - 10:45am	Seats (Total: 25) EDU 2119

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

EDCI462 Materials and Instruction for Creating Skilled and Motivated Readers, Part II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; EDCI361 or EDCI461; ED397; and permission of department. Corequisite: EDCI322, EDCI342, EDCI352, and EDCI372. Elementary Education majors only. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

IHP3	Jennifer Turner Th 2:00pm - 4:45pm	Seats (Total: 20) Location: TBA
	MCERT ELEM Outreach Offering. Department permission required.	

EDCI463 **Reading in the Secondary School**

EDCI463 Reading in the Secondary School; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Pamela Segal MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 2121
0201	Maria Crassas MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1121

EDCI464 **Assessment for Reading**

EDCI464 Assessment for Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI362. For Elementary Education or Early Childhood Education majors only. Senior standing. Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society.

0101	Ayanna Baccus W 4:15pm - 7:00pm *Restricted Team A1 students only.*	Seats (Total: 32) EDU 1121
0201	Olivia Saracho Tu 4:15pm - 7:00pm *Restricted Team A2 students only.*	Seats (Total: 32) EDU 2212
0301	Peter Afflerbach Tu 4:15pm - 7:00pm *Restricted to Team B1 students only.*	Seats (Total: 32) SQH 1107
0401	Olivia Saracho W 4:15pm - 7:00pm *Restricted to Team B2 students only.*	Seats (Total: 32) EDU 2119
0501	Olivia Saracho Th 4:15pm - 7:00pm *Restricted to Early Childhood Students Only.*	Seats (Total: 28) EDU 2101

EDCI466 **Literature for Adolescents**

EDCI466 Literature for Adolescents; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; 2.5 GPA. permission of department required for post-baccalaureate students. For education majors only.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Sarah Morris MW 11:00am - 12:15pm	Seats (Total: 30) EDU 2121

EDCI471 **Student Teaching in Secondary Schools: Science**

EDCI471 Student Teaching in Secondary Schools: Science; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI370. Corequisites: EDCI371 and EDCI470. Practical experience as a full-time intern with a fully licensed science teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $400.00 lab fee.

0101	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 20)

EDCI474 **Inclusion, Diversity, and Professionalism in Secondary Education**

EDCI474 Inclusion, Diversity, and Professionalism in Secondary Education; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education. Corequisite: enrolled in student teaching/certification area. For secondary education majors only. Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.

0101	Amanda Stefanski, Anthony Adawu, Susan Bresee, Kelly Worland Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2111
0201	Kelly Worland, Susan Bresee, Anthony Adawu, Amanda Stefanski Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2110

EDCI480 **Practices in Secondary School Science Teaching**

EDCI480 Practices in Secondary School Science Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to teacher education program; EDCI470. Corequisite: EDCI471. Not open to students who have completed EDCI488J. Credit will be granted for only one of the following: EDCI480 or EDCI488J. Formerly EDCI488J. Analyses of student thinking, instructional interpretations, strategies, and techniques in the teaching internship. Location to be announced and will occur in a local school.

0101	Stacy Pritchett W 3:00pm - 4:50pm	Seats (Total: 10) EDU 2212A

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI322; and EDCI342; EDCI352; EDCI362; and EDCI372. Corequisite: EDCI464. Limited to elementary majors who have previously applied. Students must pay a $400.00 lab fee.

0101	Susan Denvir W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 52) Location: TBA
0201	Leslie Gettier M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 52) Location: TBA

EDCI485 **Student Teaching in Elementary School: Physical Education**

EDCI485 Student Teaching in Elementary School: Physical Education; (4-8 credits) Grade Method: S-F.
For EDCI majors only. Fulfills elementary teaching requirements in K-12 physical education programs. Limited to majors who have previously applied.

0101	Ana Palla-Kane Contact instructor or department for details.	Seats (Total: 25)

EDCI488D **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

EDCI488D Selected Topics in Teacher Education: Mathematics and Science Education: Theory and Practice for Learning Assistants; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Chandra Turpen W 5:00pm - 7:45pm	Seats (Total: 18) EDU 2212

EDCI488I **Selected Topics in Teacher Education; Chillum Internship Program**

EDCI488I Selected Topics in Teacher Education: Chillum Internship Program; (3 credits) Grade Method: REG/P-F/AUD.

0101	Amanda Stefanski M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 0202
0201	Amanda Stefanski Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 3236

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L *(PermReq)* **Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (3 credits)** Grade Method: REG/AUD.

0201	Jean Snell M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI495 **Student Teaching in Secondary Schools: Physical Education**

EDCI495 Student Teaching in Secondary Schools: Physical Education; (2-8 credits) Grade Method: S-F.
For EDCI majors only. For EDCI majors only. Students must pay a $400.00 lab fee.

0101	Ana Palla-Kane	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588N **Special Topics in Curriculum & Instruction; Teaching Disciplinary Writing in Social Studies**

EDCI588N Special Topics in Curriculum & Instruction: Teaching Disciplinary Writing in Social Studies; (3 credits) Grade Method: REG.

IHP1	Chauncey Monte-Sano, Susan De La Paz	Seats (Total: 20)
	Meets February 10, 2012 - June 2, 2012	
	F 9:00am - 4:00pm	Location: TBA
	Open to EDCI Teacher Education Professional Development Program participants.	

EDCI588V **Special Topics in Curriculum & Instruction; Teaching about Islam: Pedagogical Resources and Perspectives**

Contact department for information to register for this course.

EDCI600 **Trends in Art Education Curriculum**

EDCI600 Trends in Art Education Curriculum; (3 credits) Grade Method: REG/AUD.

Recent developments in art education.

IHP1	Susan Hendricks	Seats (Total: 15)
	Meets January 25, 2012 - May 12, 2012	
	Tu 4:15pm - 7:00pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 Studying Student Learning in Diverse Settings; (3 credits) Grade Method: REG/AUD.

This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Saroja Barnes Th 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	
IHP3	Maria Hyler W 5:30pm - 8:30pm	Seats (Total: 15) Location: TBA
	MSMaRT Outreach Offering. Departmental permission required. Contact Dia e James at djames1@umd.edu	

EDCI612 **Assessing Student Learning and Development**

EDCI612 Assessing Student Learning and Development; (3 credits) Grade Method: REG/AUD.

Credit will be granted for only one of the following: EDCI 612 or EDCI 788S. Formerly EDCI788S. Prepares experienced teachers to assess student knowledge, strategies and skills over time so that they can design instruction that builds on student strengths and addresses student needs. Teachers will study the purposes of assessment including school and student needs. Teachers will study the purposes of assessment including school and teacher accountability, student placement, course grade assignment and instructional design. They also will explore types of formal and informal assessment, curriculum-based and curriculum-free assessment, external and teacher made assessment.

0101	Peter Afflerbach M 4:15pm - 7:00pm	Seats (Total: 25) ASY 3211

EDCI613 **Practice and Theory in Teaching Second Language Learners**

EDCI613 Practice and Theory in Teaching Second Language Learners; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCI637 or EDCI689; or permission of department. Credit will be granted for only one of the following: EDCI613 or EDCI688B. Formerly EDCI688B. Focuses on issues that arise while teaching second language (ESOL or foreign language) learners. Supports implementation of theory into practice and research-based best practices during teaching internship, and completion of teaching portfolio during a second field experience.

0101	Hollis Stein M 5:00pm - 7:45pm	Seats (Total: 10) Location: TBA
IHP1	Hollis Stein M 5:00pm - 7:45pm	Seats (Total: 30) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI620 **Trends in Secondary School Curriculum: Social Studies**

EDCI620 Trends in Secondary School Curriculum: Social Studies; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in social studies.

IHP1	Lisa Eaker Tu 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI622 **Teaching Social Studies in Elementary Schools**

EDCI622 Teaching Social Studies in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

IHP1	Lisa Eaker Th 5:15pm - 8:00pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits) Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

0101	Fernando Fleurquin M 5:00pm - 7:45pm	Seats (Total: 25) EDU 2212

EDCI632 **Special Education and Oral Language Development in TESOL**

EDCI632 Special Education and Oral Language Development in TESOL; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI 632 or EDCI 788L. Formerly EDCI788L. Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

0101	Roberta Lavine W 5:00pm - 7:45pm *For EDCI majors only.*	Seats (Total: 30) Location: TBA
IHP1	Roberta Lavine W 5:00pm - 7:45pm *EDCI TESOL Outreach Offering. Department permission required.*	Seats (Total: 30) Location: TBA

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Howard Stein M 4:15pm - 7:00pm	Seats (Total: 5) EDU 0114

EDCI637 **Advanced Laboratory Practice in Foreign Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 434; and EDCI 634; or permission of department. Supervised internship in TESOL setting.

0101	Colleen Gallagher	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits) Grade Method: REG/AUD.
This course will be offered as a hybrid meeting face-to-face every other week and online work in the intervening weeks.

0101	Kellie Rolstad	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	ASY 3219

EDCI643 **Teaching Language Arts in Elementary Schools**

EDCI643 Teaching Language Arts in Elementary Schools; (3 credits) Grade Method: REG.
Analysis of current issues, trends, and problems in language-arts instruction.

IHP1	Dianne Bradley, Jo Belyea-Doerrman	Seats (Total: 20)
	Meets January 10, 2012 - April 17, 2012	
	Tu 4:00pm - 7:00pm	Location: TBA
	CITE Program. Shady Grove. Department permission required - contact djames1@umd.edu.	

EDCI654 **Assessing Mathematical Understanding**

EDCI654 Assessing Mathematical Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 650 or permission of department. Techniques of assessing k-12 students' understanding of mathematics - including standardized tests, but focusing on alternative forms such as individual interviews, writing tasks, performance tasks, portfolios. Mathematics assessment viewed as an ongoing part of instruction.

IHP1	Ann Edwards **Meets January 31, 2012 - May 8, 2012** W 5:00pm - 8:00pm	Seats (Total: 30) Location: TBA
	EDCI Outreach Offering. Department permission required.	

EDCI661 **Content Area Reading**

EDCI661 Content Area Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI 362 or EDCI 463 or equivalent. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Lea Christenson M 4:15pm - 7:00pm	Seats (Total: 15) EDU 1315

EDCI665 **Clinical Instruction in Reading**

EDCI665 Clinical Instruction in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 664 or permission of department. Clinical procedures and materials for reading instruction. For reading majors only.

0101	Ayanna Baccus Tu 4:30pm - 7:45pm	Seats (Total: 15) EDU 2234
IHP1	Ayanna Baccus Tu 4:30pm - 7:45pm	Seats (Total: 20) Location: TBA
	Outreach Offering for EDCI Reading Specialist Program. Department permission required: Contact Diane James at djames1@umd.edu.	

EDCI666 **Leadership in Schoolwide Reading Program**

EDCI666 Leadership in Schoolwide Reading Program; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCI660 and EDCI661 or permission of department. Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

0101	Mariam Dreher Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 2212

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 467 or equivalent; or permission of instructor. Examines current theory, research, best practice, curricula and materials for teaching written communication in middle and secondary schools in order to survey, review and select formal and informal assessments and diagnostic strategies useful for writing teachers. Focuses on validity and reliability issues. Includes instructional planning and development of instructional materials for implementing appropriate individual, small-group and large-group instruction. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

IHP1	Kathleen Travers	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI676 **Reflection and Practice in Secondary School Science Teaching**

EDCI676 Reflection and Practice in Secondary School Science Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to Maryland Master's Certification Program (MMCP), EDCI675, or permission of instructor. Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

IHP1	Daniel Levin	Seats (Total: 20)
	M 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI685 **Research Methods**

EDCI685 Research Methods; (3 credits) Grade Method: REG.
The interpretation and conduct of research in curriculum and instruction.

0101	Wayne Slater	Seats (Total: 25)
	Th 5:00pm - 7:45pm	EDU 0212

EDCI688M **Special Topics in Curriculum and Instruction; Mathematics in the Secondary Classroom**

EDCI688M Special Topics in Curriculum and Instruction: Mathematics in the Secondary Classroom; (3 credits) Grade Method: REG/AUD.

IHP1	Andrew Brantlinger M 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI688V **Special Topics in Curriculum and Instruction; Connecting Arts Disciplines to the CORE Curriculum: Integrating Dance and Music into Math and Other Subjects**

EDCI688V Special Topics in Curriculum and Instruction: Connecting Arts Disciplines to the CORE Curriculum: Integrating Dance and Music into Math and Other Subjects; (1-3 credits) Grade Method: REG/AUD.

IHP1	Karen Bradley, Lillian Pailen Tu 4:15pm - 7:00pm	Seats (Total: 20) Location: TBA
	Prerequisite: permission of department. EDCI Art Integration Program Outreach Offering. Contact Diane James at djames1@umd.edu.	

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 5)
CE01	Karen Rehder Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 25)
CE03	Susan Hendricks Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE04	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)
CE05	Perla Blejer Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)

CE06	John Seelke Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE07	Stacy Pritchett Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 20)
CE08	Catherine McCall Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE09	Colleen Gallagher Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
IHP1	Dianne Bradley **Meets January 3, 2012 - May 1, 2012** Tu 1:30pm - 3:30pm *Cite Program. Shady Grove. Department Permission Required - contact djames1@umd.edu.*	Seats (Total: 20) Location: TBA
IS11	Ebony Shockley Th 5:30pm - 7:30pm *EDCI MSMART Outreach Offering: Department permission required. Contact Diane James at djames1@umd.edu*	Seats (Total: 13) Location: TBA

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.
EDCI OUtreach mission of department.

0101	Rosario Fazio Tu 4:15pm - 7:00pm	Seats (Total: 5) Location: TBA
IHP2	Ann Schweighofer Tu 4:30pm - 6:30pm	Seats (Total: 25) Location: TBA

IHP3	Kathleen Travers Sa 9:00am - 1:00pm	Seats (Total: 20) Location: TBA
IHP4	Ann Nutter Coffman Sa 9:00am - 1:00pm	Seats (Total: 20) Location: TBA
IHP5	Daniel Levin Sa 9:00am - 1:00pm	Seats (Total: 20) Location: TBA
IHP6	James McGinnis Sa 9:00am - 1:00pm	Seats (Total: 20) Location: TBA
IHP7	Saroja Barnes Sa 9:00am - 1:00pm	Seats (Total: 20) Location: TBA
IHP8	Rosario Fazio **Meets January 24, 2012 - May 8, 2012** Tu 5:00pm - 9:00pm	Seats (Total: 20) Location: TBA
IHP9	Kara Trenkamp **Meets January 3, 2012 - May 26, 2012** Class time/details on ELMs	Seats (Total: 30) ONLINE

EDCI730 **Theory and Research in Second Language Teaching, Learning and Assessment**

EDCI730 Theory and Research in Second Language Teaching, Learning and Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. A survey of the research literature; evaluation of research techniques; consideration of relevant instructional curriculum theory; evaluation of modern teaching methods and techniques.

0101	Jeff MacSwan W 5:00pm - 7:45pm	Seats (Total: 20) HBK 1108

EDCI732 **Second Language Acquisition**

EDCI732 Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Prerequisites: permission of department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

0101	Melinda Martin-Beltran Th 5:00pm - 7:45pm	Seats (Total: 20) Location: TBA
IHP1	Melinda Martin-Beltran Th 5:00pm - 7:45pm	Seats (Total: 15) Location: TBA
	EDCI TESOL Outreach Offering. Department permission required.	

EDCI752 **Foundations of Mathematics Education II: Theory and Research on Mathematics Teaching**

EDCI752 Foundations of Mathematics Education II: Theory and Research on Mathematics Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 751 or permission of department. Knowledge of and insights into how mathematics has been and is being taught; theories about how it might be taught. Familiarity with the methods used to do research on teaching and to improve teaching.

0101	Lawrence Clark M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Daniel Chazan F 9:00am - 11:00am	Seats (Total: 15) EDU 2121

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 *(PermReq)* **Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits)** Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

0101	Ying Alice Zhang Tu 5:30pm - 8:00pm	Seats (Total: 15) EDU 0202

IHP1	Ayanna Baccus **Meets January 26, 2012 - May 5, 2012** Class time/details on ELMs	Seats (Total: 25) ONLINE
	EDCI Outreach Offering for MCERT Program. Department permission required. Contact djames1@umd.edu.	
IHP2	Ebony Shockley Class time/details on ELMs	Seats (Total: 25) ONLINE
	EDCI Outreach Offering for MCERT Program. Department permission required. Contact djames1@umd.edu.	
IHP3	Ying Alice Zhang Tu 5:30pm - 8:00pm	Seats (Total: 15) Location: TBA
	EDCI Outreach Offering for MCERT Program. Department permission required. Contact djames1@umd.edu.	

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Victoria MacDonald Tu 4:15pm - 7:00pm	Seats (Total: 30) ARC 1101

EDCI782 **Power, Privilege, Diversity and Teaching**

EDCI782 Power, Privilege, Diversity and Teaching; (3 credits) Grade Method: REG/AUD.
This course critically examines the theoretic foundation of multicultural education with particular emphasis on the relationship between power, privilege, diversity and teaching.

0101	Victoria MacDonald, David Imig W 4:15pm - 7:00pm	Seats (Total: 30) EDU 2121

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788C **Selected Topics in Teacher Education; Research in Math for Math Educators**

EDCI788C Selected Topics in Teacher Education: Research in Math for Math Educators; (3 credits) Grade Method: REG/AUD.

0101	Daniel Chazan	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI790 **Epistemological Bases of Education Research**

EDCI790 Epistemological Bases of Education Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI780. A course on research theory, method, and design issues for doctoral students. Focuses on conceptual and theoretical understanding of methodology, the broad rand of both qualitative and quantitative methodologies, and underlying epistemologies as they apply to the study of schools, curriculum, teaching, and teacher education.

0101	Linda Valli	Seats (Total: 30)
	Tu 4:15pm - 7:00pm	EDU 2121

EDCI792 **Qualitative Research II: Analysis and Interpretation of Data**

EDCI792 Qualitative Research II: Analysis and Interpretation of Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI791. Credit will be granted for only one of the following: EDCI692 or EDCI792. Formerly EDCI692. Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Sherick Hughes	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2121

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI798B **Special Problems in Teacher Education; Revisioning Teacher Education**

EDCI798B Special Problems in Teacher Education: Revisioning Teacher Education; (1-3 credits) Grade Method: REG/AUD.
Meets 1st Wednesday of each month (Feb-May, 2012).

0101	David Imig, Linda Valli W 11:15am - 2:50pm	Seats (Total: 15) EDU 2212

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI820 **Seminar in Social Studies Education**

EDCI820 Seminar in Social Studies Education; (3 credits) Grade Method: REG/AUD.

0101	Chauncey Monte-Sano M 4:15pm - 7:00pm	Seats (Total: 15) ASY 3221

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (3 credits) Grade Method: REG/AUD.

0101	Andrew Brantlinger F 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 2121

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Spring 2012

EDCP108B **College and Career Advancement: Concepts and Skills; Learning Strategies**

EDCP108B College and Career Advancement: Concepts and Skills: Learning Strategies; (1 credit) Grade Method: REG/P-F/AUD.

0101	Elizabeth Bennett, Terra Reber Tu 12:30pm - 1:50pm	Seats (Total: 15) ARC 1123
0201	Elizabeth Bennett, Terra Reber Tu 2:00pm - 3:20pm	Seats (Total: 15) ASY 3217

0301	Jujuan Bonner Tu 2:00pm - 3:20pm	Seats (Total: 20) TWS 0221
0401	Beverly Greenfeig **Meets March 13, 2012 - May 8, 2012** Tu 2:00pm - 3:50pm	Seats (Total: 20) ARC 1125
0501	William Woodward Th 12:30pm - 1:50pm	Seats (Total: 15) ARC 1123
0701	Amanda Lorenz Th 12:30pm - 1:50pm	Seats (Total: 20) TLF 1103
0801	Shirley Browner Th 2:00pm - 3:20pm	Seats (Total: 20) ASY 3221
0901	Shirley Browner **Meets March 12, 2012 - May 7, 2012** M 2:00pm - 3:50pm *Restricted to students in the Division of Letters & Sciences.*	Seats (Total: 20) ASY 3221
1001	Stacey Gaenzle M 3:00pm - 4:20pm	Seats (Total: 20) SQH 1105

EDCP108C **College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Career Clarification: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major; juniors/seniors by permission of instructor. All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors.

0201	Theodore Pickett **Meets February 1, 2012 - April 16, 2012** Tu 10:00am - 11:50am	Seats (Total: 20) ARC 1123

EDCP108G **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

EDCP108G College and Career Advancement: Concepts and Skills: Transfer Students in the University; (1 credit) Grade Method: REG/P-F/AUD.
For transfer students.

0101	Barbara Goldberg **Meets January 26, 2012 - April 7, 2012** Th 12:30pm - 1:45pm	Seats (Total: 30) EDU 3233
0201	Barbara Goldberg **Meets January 30, 2012 - April 4, 2012** M 2:00pm - 3:30pm	Seats (Total: 30) LEF 1201

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/AUD.
For students with Junior standing or above (or Sophomores, with permission of instructor) who are interested in learning about strategies for landing internships or full-time employment and being successful in their careers.

0101	Claire Jacobson **Meets January 25, 2012 - April 5, 2012** Th 2:00pm - 3:15pm	Seats (Total: 25) HBK 3134
0201	Daniel Ostick **Meets January 31, 2012 - April 10, 2012** Tu 1:00pm - 2:15pm	Seats (Total: 25) HBK 3134
0301	Kara Kehoe **Meets January 26, 2012 - April 6, 2012** W 10:00am - 11:15am	Seats (Total: 25) HBK 3134
0401	Kara Kehoe **Meets January 25, 2012 - April 8, 2012** W 1:00pm - 2:15pm	Seats (Total: 25) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M *(PermReq)* **College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit)** Grade Method: REG/AUD. Restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor. Once registered please check your email for information about class orientation.

0101	Kimberly Bethea **Meets January 25, 2012 - March 28, 2012** Class time/details on ELMs	Seats (Total: 30) ONLINE
0301	Arifi Waked **Meets March 11, 2012 - May 10, 2012** Class time/details on ELMs *Preference given to ACE Program students.*	Seats (Total: 30) ONLINE

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $30.00 materials fee.

0101	Christine Mutch TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 3102
0201	Stephanie Chang, Heather Baruch-Bueter TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 3114
0301	Kaye Guidugli, Benjamin Parks MW 11:00am - 12:15pm	Seats (Total: 25) EDU 3315
0401	Amy Martin, Lisa Alexander TuTh 12:30pm - 1:45pm *Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	Seats (Total: 20) OAK 0204

0501	Edward Bempong MW 3:30pm - 4:45pm	Seats (Total: 20) OAK 0318
	*Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Jay Garvey MW 11:00am - 12:15pm	Seats (Total: 25) HZF 0106
0201	Jessica Buckley MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102

EDCP298 **Special Problems in Counseling and Personnel Services**

EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits)
Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG/P-F/AUD.
The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Heather Verron TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 0110
0201	Marte Ostvik-De Wilde MW 11:00am - 12:15pm	Seats (Total: 25) KEY 0121
0301	Go Na MW 11:00am - 12:15pm	Seats (Total: 25) HBK 1108
0401	Jill Paquin TuTh 11:00am - 12:15pm	Seats (Total: 25) COL 0101

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts. Students must pay a $35.00 materials fee.

0101	Ekon George, Michele Perez TuTh 12:30pm - 1:45pm	Seats (Total: 25) SKN 1112
0201	Patrick Bray, Christopher Turner TuTh 2:00pm - 3:15pm	Seats (Total: 25) COL 0113
0301	Emily Naslund, Gary Darby TuTh 3:30pm - 4:45pm	Seats (Total: 25) KEY 0125
0401	Kimberly Kostrikin, Robert Schmidt W 12:30pm - 3:15pm	Seats (Total: 25) JMZ 0205
0501	Jonathan Lushenko, Daniel Byrne W 9:00am - 11:45am	Seats (Total: 25) TYD 2102

EDCP318E **Applied Contextual Leadership; Leadership for Peer Assisted Learning**

EDCP318E *(PermReq)* **Applied Contextual Leadership: Leadership for Peer Assisted Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Paula Hentz	Seats (Total: 20)
	Contact instructor or department for details.	

EDCP318G **Applied Contextual Leadership; Greek Presidents Class**

EDCP318G *(PermReq)* **Applied Contextual Leadership: Greek Presidents Class; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Corin Edwards	Seats (Total: 55)
	W 3:30pm - 6:30pm	KEY 1117

EDCP318I **Applied Contextual Leadership; Leadership in Global Contexts**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Leadership in Global Contexts; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Daniel Ostick, Megan O'Rourke	Seats (Total: 20)
	Tu 6:15pm - 8:15pm	HBK 3134
	Contact instructor or department for details.	

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Amilcar Guzman, Alison Barlow	Seats (Total: 25)
	M 12:00pm - 2:00pm	EDU 0202
	Contact instructor or department for details.	

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate in the guided study program through the Counseling Center.

0101	Marcia Marinelli W 5:30pm - 6:45pm Contact instructor or department for details.	Seats (Total: 20) KEY 0119
0201	Marcia Marinelli Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 20)

EDCP318O **Applied Contextual Leadership; Orientation Leader**

EDCP318O *(PermReq)* **Applied Contextual Leadership: Orientation Leader; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Dian Squire W 5:30pm - 8:00pm	Seats (Total: 25) COL 0113

EDCP318R **Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

EDCP318R *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Challenge Course Theory and Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information. Click here for more information.

0101	Michael Phaneuf W 6:00pm - 9:00pm	Seats (Total: 20) Location: TBA

EDCP318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Required course to become an Adventure Trip Leader for the Outdoor Recreation Center. Contact Mike Doyle to arrange an interview: mkdoyle@umd.edu. This is a leadership training course for potential Adventure Trip Leaders with the Outdoor Recreation Center. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Amanda Even	Seats (Total: 15)
	W 6:00pm - 9:00pm	ERC 0140

EDCP318V **Applied Contextual Leadership; Veteran Cadre Leadership**

EDCP318V *(PermReq)* **Applied Contextual Leadership: Veteran Cadre Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. This course is restricted to student veterans selected to participate as part of a veteran student leadership mentorin g team for entering and returning veteran students. Please contact tvan terp@umd.edu for more information.

0101	Tasha Vanterpool	Seats (Total: 15)
	M 2:15pm - 4:30pm	HBK 0108

EDCP318W **Applied Contextual Leadership; Leadership in the Workplace**

EDCP318W Applied Contextual Leadership: Leadership in the Workplace; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more information.

SG91	Stephanie Chang	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	Restricted to CCJS students at Shady Grove.	

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCP317 or equivalent; permission of department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized. Prerequisite: EDCP217 or EDCP315. Permission of instructor.

0101	Daniel Ostick, Craig Slack F 9:00am - 11:45am	Seats (Total: 20) EDU 0202

EDCP418 **Special Topics in Leadership**

EDCP418 Special Topics in Leadership; (3 credits) Grade Method: REG/P-F/AUD.

IHP1	Debra Luecking **Meets January 25, 2012 - March 18, 2012** Class time/details on ELMs *EDCP Outreach offering, Permission required.*	Seats (Total: 12) ONLINE

EDCP418B **Special Topics in Leadership; Black Student Leadership**

EDCP418B Special Topics in Leadership: Black Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Brandon Dula TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 2101

EDCP418C **Special Topics in Leadership; Latino Leadership**

EDCP418C Special Topics in Leadership: Latino Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Judith Martinez Th 2:00pm - 4:45pm	Seats (Total: 20) TYD 1108

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419L.

0101	Ari Israel TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 2122

EDCP418G **Special Topics in Leadership; Women's Leadership**

EDCP418G Special Topics in Leadership: Women's Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marsha Guenzler-Stevens, Ashley Venneman Tu 2:00pm - 5:00pm	Seats (Total: 20) WDS 0104

EDCP418I **Special Topics in Leadership; LGBT Leadership**

EDCP418I Special Topics in Leadership: LGBT Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Craig Leets, Ashlei Tobin-Robertson TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1168

EDCP418J **Special Topics in Leadership; Now What? Composing a Life of Meaning and Purpose**

EDCP418J *(PermReq)* **Special Topics in Leadership: Now What? Composing a Life of Meaning and Purpose; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Barbara Jacoby Tu 2:00pm - 4:45pm	Seats (Total: 15) JMZ 0122

EDCP470 **Introduction to Student Personnel**

EDCP470 *(PermReq)* **Introduction to Student Personnel; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc. Please contact Angela Jackson to get permission; ajackso6@umd.edu.

0101	Angela Jackson M 4:00pm - 5:15pm Tu 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0102	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 OAK 0315	Discussion
0103	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion
0104	Angela Jackson M 4:00pm - 5:15pm Tu 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 SCC7 7106	Discussion
0105	Angela Jackson M 4:00pm - 5:15pm W 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0106	Angela Jackson M 4:00pm - 5:15pm W 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 OAK 0315	Discussion
0107	Angela Jackson M 4:00pm - 5:15pm W 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion
0108	Angela Jackson M 4:00pm - 5:15pm Th 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion

0109	Angela Jackson M 4:00pm - 5:15pm Th 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 OAK 0315	Discussion
0201	Angela Jackson M 5:30pm - 6:45pm Tu 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0202	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 OAK 0315	Discussion
0203	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 ANN 1108A	Discussion
0204	Angela Jackson M 5:30pm - 6:45pm Tu 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 SCC7 7106	Discussion
0205	Angela Jackson M 5:30pm - 6:45pm W 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0206	Angela Jackson M 5:30pm - 6:45pm W 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 OAK 0315	Discussion
0207	Angela Jackson M 5:30pm - 6:45pm W 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 ANN 1108A	Discussion
0208	Angela Jackson M 5:30pm - 6:45pm Th 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0209	Angela Jackson M 5:30pm - 6:45pm Th 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 OAK 0315	Discussion
0301	Angela Jackson Contact instructor or department for details.	Seats (Total: 7)	

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transition to Careers in the Global Workplace**

EDCP499A Workshops, Clinics, Institutes: Transition to Careers in the Global Workplace; (2 credits) Grade Method: REG.
For Juniors and Seniors only. The purpose of this course is to help Juni ors/Seniors identify meaningful career paths and continuing education pl ans following college graduation.

0101	Linda Gast Tu 10:00am - 11:50am	Seats (Total: 20) JMZ 2123
0201	Linda Gast Tu 1:00pm - 2:50pm	Seats (Total: 20) PLS 1146

EDCP611 **Career Development Theory and Programs**

EDCP611 Career Development Theory and Programs; (3 credits) Grade Method: REG/AUD.
Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

0101	MARJA HUMPHREY Tu 4:15pm - 7:00pm	Seats (Total: 10) EDU 2102

IHP1	Debra Luecking, Kelli Crane, Ellen Fabian	Seats (Total: 12)
	Meets March 26, 2012 - May 18, 2012	
	Class time/details on ELMs	ONLINE
	EDCP Outreach offering. Permisson required.	

EDCP612 **Multicultural Issues in Counseling and Personnel Services**

EDCP612 Multicultural Issues in Counseling and Personnel Services; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Socio-psychological, philosophical, clinical, and research topics related to the provision of counseling and personnel services, academic support, and career development for minority students on predominantly white college and university campuses. Implications of race and/or national origin on opportunities for personal, social, academic, and career development in educational settings.

0101	Courtland Lee	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0206

EDCP619B **Practicum in Counseling; College Student Personnel**

EDCP619B *(PermReq)* **Practicum in Counseling: College Student Personnel; (3 credits)** Grade Method: REG/AUD.

0201	Jonathan Kandell	Seats (Total: 4)
	Th 10:00am - 1:00pm	SHM 1131

EDCP619D **Practicum in Counseling; Practicum in School Counseling**

EDCP619D Practicum in Counseling: Practicum in School Counseling; (3 credits) Grade Method: REG.

0101	Julia Bryan	Seats (Total: 12)
	W 12:30pm - 3:00pm	JMZ 1123

EDCP625 **Counseling the Chemically Dependent**

EDCP625 *(PermReq)* **Counseling the Chemically Dependent; (3 credits)** Grade Method: REG.
Chemical dependency and its effects on the individual's personal, social, and work functioning. Counseling procedures for persons with drug and alcohol problems.

0101	Paul Gold, Jo Ann Hutchinson	Seats (Total: 18)
	Class time/details on ELMs	ONLINE

EDCP627 **Process Consultation**

EDCP627 Process Consultation; (3 credits) Grade Method: REG/AUD.
Prerequisite: graduate course in group process. Study of case consultation, systems consultation, mental health consultation and the professional's role in systems intervention strategies.

0101	Julia Bryan	Seats (Total: 6)
	W 4:15pm - 7:00pm	EDU 1210B

EDCP630 **School-Based Behavioral Interventions**

EDCP630 School-Based Behavioral Interventions; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. For College of Education majors only. Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

0101	Lauren Kaiser	Seats (Total: 10)
	Tu 1:00pm - 3:45pm	KEY 0107

EDCP633 **Diagnostic Appraisal of Children I**

EDCP633 Diagnostic Appraisal of Children I; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 632. Assessment of development, emotional and learning problems of children.

0101	Hedwig Teglasi	Seats (Total: 10)
	Tu 9:30am - 12:15pm	EDU 0202

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Go Na Th 12:30pm - 3:15pm	Seats (Total: 10) EDU 2102

EDCP636 **School Consultation II**

EDCP636 School Consultation II; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCP 635, limited to school psychology students or permission of instructor. Didactic practicum in consultation services in the school setting. Case consultation and organizational consultation in the schools. Practicum experience. Course will be taught off-campus.

0101	Allison Nebbergall Tu 4:15pm - 7:00pm	Seats (Total: 10) EDU 0212

EDCP655 **Organizational Dimensions of Student Affairs**

EDCP655 Organizational Dimensions of Student Affairs; (3 credits) Grade Method: REG.
Prerequisite: EDCP610 or permission of department. Exploration of leadership and organizational change of student affairs programs in post-secondary education.

0101	Warren Kelley W 3:00pm - 5:45pm	Seats (Total: 20) KEY 0121

EDCP668 **Special Topics in Rehabilitation; Job Development Placement**

EDCP668 Special Topics in Rehabilitation: Job Development Placement; (3 credits) Grade Method: REG/AUD.

0101	Kim MacDonald-Wilson Class time/details on ELMs	Seats (Total: 10) ONLINE

IHP1	Kim MacDonald-Wilson	Seats (Total: 14)
	Class time/details on ELMs	ONLINE
	EDCP Outreach Offering. Permission required.	

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**
Contact department for information to register for this course.

EDCP680 **Basic Didactic Practicum in Counseling Psychology**

EDCP680 Basic Didactic Practicum in Counseling Psychology; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 680. Formerly PSYC776. In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

0101	Ann Judge	Seats (Total: 6)
	M 10:00am - 1:00pm	EDU 3236

EDCP686 **Counseling Psychology Didactic Practicum in Career Interventions**

EDCP686 Counseling Psychology Didactic Practicum in Career Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 681. Formerly EDCP777. In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

0101	Robert Lent	Seats (Total: 8)
	W 1:00pm - 4:00pm	EDU 2101

EDCP693 **Assessment in Counseling Psychology ii**

EDCP693 Assessment in Counseling Psychology ii; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 693. Formerly EDCP789F. Supervised experience in administration, scoring, and interpreting major psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

0101	Matthew Miller Tu 10:00am - 1:00pm	Seats (Total: 20) EDU 0206

EDCP715 **Appraisal Measures in Counseling**

EDCP715 Appraisal Measures in Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCP 615 and EDMS 646 or their equivalents. Interpretation and utilization in counseling of the career interest and personality measures.

0101	Margaretha Lucas Contact instructor or department for details.	Seats (Total: 15)

EDCP717 **Evaluation of Research in Counseling**

EDCP717 Evaluation of Research in Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Research on process and outcome in counseling. A review of research and appropriate research methodologies.

0101	Gary Gottfredson W 11:00am - 2:00pm	Seats (Total: 15) EDU 3236

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi Th 9:00am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP740 **Issues and Methods in Counselor Education**

EDCP740 Issues and Methods in Counselor Education; (3 credits) Grade Method: REG/AUD.
Doctoral standing. Competencies, current issues, and methods in the pre-service and continuing education of counselors.

0101	Courtland Lee W 1:15pm - 4:00pm	Seats (Total: 4) EDU 1315

EDCP745 **Supervision of Counseling**

EDCP745 Supervision of Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Open to doctoral students only. For EDCP majors only. Survey of knowledge base, research approaches, and applied skills in supervision of counseling.

0201	Courtland Lee	Seats (Total: 5)
	Contact instructor or department for details.	

EDCP746 **Clinical Supervision of Pupil Personnel Services**

EDCP746 Clinical Supervision of Pupil Personnel Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor For Advanced Doctoral Students Only.
Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.

0101	William Strein	Seats (Total: 10)
	M 4:15pm - 7:00pm	EDU 0202

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Courtland Lee	Seats (Total: 4)
	M 1:15pm - 4:00pm	EDU 2101

EDCP789A **Advanced Topics in Counseling and Personnel Services; First Year Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: First Year Seminar; (1 credit) Grade Method: REG/AUD.

0101	Dennis Kivlighan, Gary Gottfredson	Seats (Total: 20)
	F 12:00pm - 1:30pm	EDU 0202

EDCP789D **Advanced Topics in Counseling and Personnel Services; The Brigade and the Academy**

EDCP789D Advanced Topics in Counseling and Personnel Services: The Brigade and the Academy; (3 credits) Grade Method: REG.

PC01	Stephen Trainor	Seats (Total: 15)
	M 8:30am - 11:00am	LUCE 211
	Restricted to MPLD majors. Open only to the Navy LEAD cohorts. Meets in LUCE211 at the US Naval Academy.	

EDCP789N **Advanced Topics in Counseling and Personnel Services; Therapeutic Approaches with Children**

EDCP789N Advanced Topics in Counseling and Personnel Services: Therapeutic Approaches with Children; (3 credits) Grade Method: REG.

0101	William Strein	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	Location: TBA

EDCP789T **Advanced Topics in Counseling and Personnel Services; Program Planning**

EDCP789T Advanced Topics in Counseling and Personnel Services: Program Planning; (3 credits) Grade Method: REG.

0101	Vivian Lee	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 3233

EDCP789W **Advanced Topics in Counseling and Personnel Services; Introduction to Mental Disorders**

EDCP789W Advanced Topics in Counseling and Personnel Services: Introduction to Mental Disorders; (3 credits) Grade Method: REG/AUD.

0101	Paul Gold	Seats (Total: 20)
	Contact instructor or department for details.	

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

EDCP888A Apprenticeship in Counseling and Personnel Services: College Student Personnel; (3 credits) Grade Method: REG.

0101	Marsha Guenzler-Stevens Contact instructor or department for details.	Seats (Total: 10)

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG/AUD.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)
0501	Judith Kinney Contact instructor or department for details.	Seats (Total: 10)

EDCP888G **Apprenticeship in Counseling and Personnel Services; School Counseling**

EDCP888G *(PermReq)* **Apprenticeship in Counseling and Personnel Services: School Counseling; (1-6 credits)** Grade Method: REG.
For school counseling students only.

0101	Courtland Lee M 4:00pm - 6:45pm	Seats (Total: 10) EDU 3233

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R Apprenticeship in Counseling and Personnel Services; (3 credits) Grade Method: REG.
For second year Rehabilitation Counseling students only.

0101	Kim MacDonald-Wilson Th 7:00pm - 9:45pm	Seats (Total: 12) Location: TBA

EDCP888T **Apprenticeship in Counseling and Personnel Services; College Student Personnel Teaching Apprenticeship**

EDCP888T Apprenticeship in Counseling and Personnel Services: College Student Personnel Teaching Apprenticeship; (6 credits) Grade Method: REG.

PC01	Roxanna Pebdani Th 9:00am - 11:45am Contact instructor or department for details. *Restricted to Navy LEAD cohorts (MPLD).*	Seats (Total: 20) ARC 1123

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Spring 2012

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education.

0101	Elisa Klein Th 2:00pm - 5:00pm	Seats (Total: 30) HBK 0109	

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Students should allow an appropriate amount of travel time from the off-campus experience to your classes meeting on campus.

0101	Susan Keightley Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 0206 Location: TBA	Lab
0102	Susan Keightley Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 0206 Location: TBA	Lab
0103	Susan Keightley Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 0206 Location: TBA	Lab

0104	Susan Keightley Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 0206 Location: TBA	Lab
0105	Susan Keightley Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 0206 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 *(PermReq)* **Literature in the Early Childhood Classroom; (3 credits)** Grade Method: REG.
For early childhood education majors only. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Susan Keightley M 1:30pm - 4:30pm	Seats (Total: 30) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Colleen Morrison TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1121
0201	Colleen Morrison TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 1107
0301	Megan Kelly MW 11:00am - 12:15pm	Seats (Total: 40) EDU 1121

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Lauren Musu-Gillette TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1103
0201	Lauren Musu-Gillette TuTh 2:00pm - 3:15pm	Seats (Total: 24) EDU 0202
0301	Kathryn Watts MW 11:00am - 12:15pm	Seats (Total: 40) HBK 0115

EDHD313 **Creative Experiences for Young Children**

EDHD313 *(PermReq)* **Creative Experiences for Young Children; (3 credits)** Grade Method: REG.
For early childhood majors only. Credit will be granted for only one of the following: EDHD313 or EDCI313. Formerly EDCI313. Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom. Resident artists from the Wolf Trap Company will give demonstration lesson in music, art, movement and dance.

0101	Elisa Klein M 8:45am - 10:45am Contact instructor or department for details.	Seats (Total: 40) EDU 0212

EDHD314 **Reading in Early Childhood Classroom: Instructions and Materials Part I**

EDHD314 *(PermReq)* **Reading in Early Childhood Classroom: Instructions and Materials Part I; (3 credits)** Grade Method: REG.
For early childhood majors only. This course introduces early childhood students to current research and methods on teaching reading.

0101	Lesley Sand M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 40) EDU 0212

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0201	Jennifer Wang MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119
0501	Sandra Baker MW 11:00am - 12:15pm	Seats (Total: 45) SKN 0104
0901	Melissa Duchene MW 2:00pm - 3:15pm	Seats (Total: 45) HBK 0115
1201	Amanda Mason-Singh TuTh 11:00am - 12:15pm	Seats (Total: 45) HBK 0103
1301	Amanda Mason-Singh TuTh 12:30pm - 1:45pm	Seats (Total: 45) HBK 0115
1501	Emily Grossnickle MW 12:30pm - 1:45pm	Seats (Total: 45) EDU 1107
1601	Emily Grossnickle MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 1107

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Th 2:00pm - 4:45pm Contact instructor or department for details.	Seats (Total: 180) EGR 1202

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Melanie Killen Th 1:00pm - 3:45pm	Seats (Total: 40) EDU 3315
0201	Geetha Ramani TuTh 2:00pm - 3:15pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 40) EDU 2119
0301	Geetha Ramani TuTh 11:00am - 12:15pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 40) EDU 2119

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG/AUD. Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0201-0301 are for the secondary education majors only. Also offered as EDHD619J.

0101	Alice Donlan MW 9:30am - 10:45am	Seats (Total: 45) EDU 2121
0201	Ann Battle W 10:00am - 12:45pm	Seats (Total: 40) EDU 0212
	This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.	
0301	Alice Donlan MW 2:00pm - 3:15pm	Seats (Total: 45) ASY 3203
	This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.	

EDHD415 **Social Competence in Young Children**

EDHD415 *(PermReq)* **Social Competence in Young Children; (3 credits)** Grade Method: REG.
For early childhood majors only. Junior standing. Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

0101	Natasha Cabrera W 1:00pm - 4:00pm	Seats (Total: 40) HBK 0103

EDHD419B **Human Development and Learning in School Settings; Human Development and Learning**

EDHD419B *(PermReq)* **Human Development and Learning in School Settings: Human Development and Learning; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department. Advanced study of human development and learning in different phases of school program over a period of time. Restricted to students who completed EDHD419A in the preceding Fall semester. Students should allow an appropriate amount of travel time to transition from the off-campus experience to your classes meeting on campus.

0101	Brenda Jones Harden	Seats (Total: 28)
	Tu 1:00pm - 4:00pm	EDU 1315
	Contact instructor or department for details.	

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: either EDHD320, EDHD411, PSYC355, PSYC341 or permission of department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Min Wang	Seats (Total: 40)
	MW 2:00pm - 3:15pm	EDU 3315

EDHD424 **Culture and Community Perspectives: The Diverse World of the Child**

EDHD424 *(PermReq)* **Culture and Community Perspectives: The Diverse World of the Child; (3 credits)** Grade Method: REG.
Corequisites: EDHD314, EDHD419, EDHD313, EDSP470. For early childhood majors only. Junior standing. Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

0101	Christy Tirrell-Corbin	Seats (Total: 40)
	M 11:00am - 1:00pm	EDU 0212
	Contact instructor or department for details.	

EDHD425 **Language Development and Reading Acquisition**

EDHD425 *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

0101	Angela McRae MW 11:00am - 12:15pm	Seats (Total: 40) EDU 2119
0201	Min Wang MW 12:30pm - 1:45pm	Seats (Total: 40) EDU 3315
0501	Angela McRae W 1:15pm - 4:00pm *Section 0501 is restricted to major codes 0808L & 0808P, and graduate s udents coded as EDSP.*	Seats (Total: 35) HBK 1112

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. Restricted to Education majors.

0101	Brita Johannessen Tu 4:15pm - 7:00pm	Seats (Total: 45) EDU 1121
0201	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 45) EDU 2102

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 or permission of department.* Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EDU 3315

EDHD432 **Student Teaching Pre-K-3**

EDHD432 Student Teaching Pre-K-3; (12 credits) Grade Method: S-F. *Prerequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD435. Corequisite: EDCI464. For early childhood majors only. Senior standing.* Students must pay a $400.00 lab fee.

0101	Christy Tirrell-Corbin	Seats (Total: 40)
	Contact instructor or department for details.	

EDHD440 **Adult Development**

EDHD440 Adult Development; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: EDHD320 or permission of instructor. Recommended: EDHD413.* Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

0101	Elizabeth Robertson-Tchabo	Seats (Total: 40)
	W 9:30am - 12:15pm	EDU 1107

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0101	Melissa Duchene	Seats (Total: 40)
	MW 11:00am - 12:15pm	TYD 0111

0201	Kathryn Watts MW 2:00pm - 3:15pm	Seats (Total: 45) TYD 2111	

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 or permission of department.* Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Patricia Alexander TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 35) SKN 0200 SQH 1103	Discussion
0102	Patricia Alexander TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 35) SKN 0200 SQH 1103	Discussion
0103	Patricia Alexander TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 SQH 1103	Discussion
0104	Patricia Alexander TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 35) SKN 0200 SQH 1103	Discussion
0105	Patricia Alexander TuTh 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 SQH 1103	Discussion
0106	Patricia Alexander TuTh 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 SQH 1103	Discussion

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498P **Special Problems in Education; Two Worlds of Children - Parent-Child and Peer Relationships**

EDHD498P *(PermReq)* **Special Problems in Education: Two Worlds of Children - Parent-Child and Peer Relationships; (3 credits)** Grade Method: REG.

0101	Nathan Fox	Seats (Total: 15)
	Contact instructor or department for details.	

EDHD498Z **Special Problems in Education; The Development of the Scientific Mind Across the Lifespan**

EDHD498Z Special Problems in Education: The Development of the Scientific Mind Across the Lifespan; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kevin Dunbar	Seats (Total: 30)
	Tu 9:30am - 12:15pm	HJP 1125

EDHD619J **Advanced Scientific Concepts in Human Development; Adolescent Development**

EDHD619J *(PermReq)* **Advanced Scientific Concepts in Human Development: Adolescent Development; (3 credits)** Grade Method: REG/AUD.

0101	Ann Battle	Seats (Total: 1)
	W 10:00am - 12:45pm	EDU 0212

EDHD624 **Cognitive and Motivational Bases of Reading; Reading in Content Areas I and II**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Melanie Killen	Seats (Total: 25)
	W 12:20pm - 2:45pm	EDU 1121

EDHD674 **Self Processes in Adolescence: Implications for Academic Achievement and School Adjustment**
Contact department for information to register for this course.

EDHD711 **Peer-Culture and Group Processes in Human Development**
Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD750 **Culture, Context, and Development**

EDHD750 Culture, Context, and Development; (3 credits) Grade Method: REG. This course will cover theory and research on cultural and contextual influences on social development.

0101	Natasha Cabrera	Seats (Total: 20)
	Th 1:00pm - 3:45pm	EDU 1108

EDHD760 **Advanced Educational Psychology**

EDHD760 Advanced Educational Psychology; (3 credits) Grade Method: REG. *Prerequisite: prior course in educational psychology, learning, or cognition, or permission of department.* Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

0101	Patricia Alexander	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 3236

EDHD779A **Selected Topics in Human Development; Input and Output in Language Acquisiton**

EDHD779A Selected Topics in Human Development: Input and Output in Language Acquisiton; (3 credits) Grade Method: REG/AUD.

0101	Meredith Rowe, Jeffrey Lidz	Seats (Total: 25)
	Tu 10:00am - 1:00pm	EDU 3236

EDHD779L **Selected Topics in Human Development; Workshops, Clinics and Institutes/Adolescents at Risk**

Contact department for information to register for this course.

EDHD780 **Research Methods in Human Development**

EDHD780 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDMS 651 or permission of department. Research methodology for studying human development: research design, hypothesis formulation, instrument development, methodological and statistical approaches, survey of methodologies.

0101	Kathryn Wentzel	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2102

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

EDHD798 *(PermReq)* **Laboratory in Human Development; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD840 **Language and Literacy Development**

EDHD840 Language and Literacy Development; (3 credits) Grade Method: REG. Content of this course is current theoretical and empirical research on children's language developments and on the linguistic basis of beginning reading.

0101	Meredith Rowe	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 3236

EDHD850 **Social Cognition and Moral Reasoning**

EDHD850 Social Cognition and Moral Reasoning; (3 credits) Grade Method: REG. Theory and research on social-cognition development and moral development, from infancy to adolescence will be covered.

0101	Melanie Killen	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	EDU 2102

EDHD872 **Young Children at Environmental Risk: Developmental and Intervention Issues**

EDHD872 Young Children at Environmental Risk: Developmental and Intervention Issues; (3 credits) Grade Method: REG.
Examination of impact of poverty on young children, their families, and communities. Epidemiological, physiological, and sociological studies will be reviewed.

0101	Brenda Jones Harden	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3236

EDHD888 **Apprenticeship in Human Development Research**

EDHD888 *(PermReq)* **Apprenticeship in Human Development Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

EDHD889 *(PermReq)* **Practicum in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed Spring 2012

EDHI338 **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

Contact department for information to register for this course.

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0201	Mark Brimhall, Craig Leets, Tara Murray	Seats (Total: 14)
	Meets March 26, 2012 - May 7, 2012	
	M 4:30pm - 6:30pm	MMH 2411C

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Mark Brimhall, Alison Mojto **Meets January 26, 2012 - March 8, 2012** Th 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Mark Brimhall, Erik Hanson, Judith Martinez **Meets January 25, 2012 - March 7, 2012** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C
0201	Sachi Edwards, Mark Brimhall, Holly Ulmer **Meets March 27, 2012 - May 8, 2012** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0201	Georgia Handforth, Shandra Montgomery, Mark Brimhall **Meets March 28, 2012 - May 9, 2012** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD. Click here for more course information.

0101	James Carlough, Mark Brimhall, Erin McClure **Meets January 30, 2012 - March 12, 2012** M 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme**

EDHI338P *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme; (1 credit)** Grade Method: REG/P-F/AUD. Click here for more course information.

0101	Jamie Adasi, Mark Brimhall, Elizabeth Barkley **Meets January 31, 2012 - March 13, 2012** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498I **Special Problems in Education; Learning About Cultural Diversity: US/India International Dialogue**

EDHI498I Special Problems in Education: Learning About Cultural Diversity: US/India International Dialogue; (3 credits) Grade Method: REG/P-F/AUD.
This course seeks to develop skills for communicating across differences in an international context. During this semester, students from the U niversity of Maryland will engage in class readings, assignments, and in formed dialogue with students from the Jaypee University of Information Technology in India via video conferencing technology. Click here for more course information.

0101	Mark Brimhall	Seats (Total: 12)
	W 9:00am - 12:00pm	MMH 2411C

EDHI600 **Education and Society**

EDHI600 Education and Society; (3 credits) Grade Method: REG/AUD.
3 semester hours. Credit will be granted for only one of the following: EDHI600, EDPL600, or EDPS600. Formerly EDPL600. Education and Society is an introductory course to graduate studies in the Department of Education Policy and Leadership. Students consider how social institutions influence -- and in turn are influenced by -- education policies and practices.

0101	Thomas Davis	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0114

EDHI607 **Culture and Education in a Global Context**

EDHI607 Culture and Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788V in Fall 2000, Spring 2002, Spring 2003, or Spring 2004. Credit will be granted for only one of the following: EDHI607, EDPL607, or EDPS607. Formerly EDPL607. Examines cultural theories and analyzes cultural influences in education. Course materials and discussion critically analyze cultural transmission and schooling practices. Also examined are politics of culture, multiculturalism, global cultural clashes, and educators as critical culture workers.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2101

EDHI642 **Management of Change in Educational Organizations**

EDHI642 Management of Change in Educational Organizations; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI642, EDPL642, or EDPS642. Formerly EDPL642. Role of individual as a change agent; issues related to effecting change within organizational sub-systems and total systems are considered. Specific strategies for successful change in schools are addressed.

0101	Hanne Mawhinney	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2119

EDHI646 **Leading Instructional Excellence**
Contact department for information to register for this course.

EDHI664 **The College Experience**

EDHI664 The College Experience; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. For EDHI, EDPL, and EDPS majors only. Credit will be granted for only one of the following: EDHI664, EDPL664, or EDPS664. Formerly EDPL664. Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.

0101	Alberto Cabrera	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 2119

EDHI665 **College Access and Choice**

EDHI665 College Access and Choice; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI665 or EDHI788L. Formerly EDHI788L. Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

0101	Alberto Cabrera	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0114

EDHI672 **Modes of Inquiry in Education Research**

Contact department for information to register for this course.

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI701 **Applied Research and Data Based Decision Making**

Contact department for information to register for this course.

EDHI755 **Federal Policies in Post-Secondary Education**

EDHI755 Federal Policies in Post-Secondary Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI755, EDPL755, or EDPS755. Formerly EDPL755. Evolution of the federal role, its current scope and funding. Policy issues associated with federal student aid programs, research grants and social equity regulations.

0101	Marvin Titus	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2119

EDHI788J **Special Topics in Education Policy and Administration; Globalization and Education**

EDHI788J Special Topics in Education Policy and Administration: Globalization and Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 0202

EDHI788K **Special Topics in Education Policy and Administration; Gender, Development and Education**

EDHI788K Special Topics in Education Policy and Administration: Gender, Development and Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDHI788L **Special Topics in Education Policy and Administration; Administration of U.S. University International Programs**

EDHI788L Special Topics in Education Policy and Administration: Administration of U.S. University International Programs; (3 credits) Grade Method: REG/AUD.

0101	Meridith Price, Briana Malone, Meg Richmond Tu 7:00pm - 9:45pm	Seats (Total: 20) EDU 2101

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Spring 2012

EDMS410 **Classroom Assessment**

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Junior standing. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0102	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 30) EDU 3233

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.

Sophomore standing. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Ming Li MW 12:30pm - 1:45pm	Seats (Total: 40) EDU 2121
0201	Huili Liu TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 1121
0301	Xiulin Mao MW 2:00pm - 3:15pm	Seats (Total: 40) JMZ 2206
0401	Wei You TuTh 2:00pm - 3:15pm	Seats (Total: 35) EDU 1121
0501	Futoshi Yumoto TuTh 3:30pm - 4:45pm	Seats (Total: 45) TWS 0236

EDMS623 **Applied Measurement: Issues and Practices**

EDMS623 Applied Measurement: Issues and Practices; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDMS410 and EDMS645 or equivalent. Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

0101	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 1107

EDMS626 **Measurement Techniques For Research**

EDMS626 Measurement Techniques For Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646. Theory, development and applications of various measurement instruments and procedures. Questionnaires, interviews, rating scales, attitude scales, observational procedures, ecological approaches, Q-sort, semantic-differential, sociometry and other techniques.

0101	Carolyn Fidelman W 7:00pm - 9:45pm *Departmental permission required.*	Seats (Total: 10) ONLINE
IHP1	Carolyn Fidelman W 7:00pm - 9:45pm *Outreach offering, EDMS PBCAE Program. Departmental permission required*	Seats (Total: 10) ONLINE

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized. Contact Kathryn Alvestad at alvestad@umd.edu for information and instruc tions in obtaining permission to enroll.

0101	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 1107
0102	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315
0103	William Dardick Th 7:00pm - 9:45pm	Seats (Total: 10) ONLINE
IHP1	William Dardick Th 7:00pm - 9:45pm *Outreach offering, EDMS PBCAE Program. Departmental permission required*	Seats (Total: 19) ONLINE

IHP2	William Dardick **Meets March 1, 2012 - May 10, 2012** Class time/details on ELMs	Seats (Total: 15) ONLINE
	EDMS Outreach Offering. Department permission required.	

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	George Macready Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0201	George Macready W 4:15pm - 7:00pm *Click here for more information.*	Seats (Total: 30) ONLINE
OM11	George Macready **Meets January 25, 2012 - May 18, 2012** W 4:15pm - 7:00pm Contact instructor or department for details.	Seats (Total: 30) Location: TBA
	Prerequisite: permission of department. Web/online and classroom based, Hoyer Center. Outreach Offering.	

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDMS722 **Structural Modeling**

EDMS722 Structural Modeling; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 657.* Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

0101	Gregory Hancock Tu 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDMS724 **Modern Measurement Theory**

EDMS724 Modern Measurement Theory; (3 credits) Grade Method: REG/AUD. *Prerequisites: EDMS 623; and EDMS 651.* Theoretical formulations of measurement from a latent trait theory perspective.

0101	Andre Rupp W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDMS769L **Special Topics in Applied Statistics in Education; Longitudinal Data Analysis**

EDMS769L Special Topics in Applied Statistics in Education: Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Harring Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDMS769S **Special Topics in Applied Statistics in Education; Multi-Level Modeling**

EDMS769S Special Topics in Applied Statistics in Education: Multi-Level Modeling; (3 credits) Grade Method: REG/AUD.

0101	Laura Stapleton M 4:15pm - 7:00pm	Seats (Total: 20) TWS 0234

EDMS771 **Multivariate Data Analysis**

EDMS771 Multivariate Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 651.* Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

0101	Andre Rupp	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 3315

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Spring 2012

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Kathleen Hoyer TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 1107
0201	Kathleen Hoyer TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 0114
0301	Steven Stakland TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1121
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0301	Eleonor Castillo TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 0212
0401	Eleonor Castillo TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114

0501	Gary Homana	Seats (Total: 30)
	WF 9:30am - 10:45am	TWS 0221

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS676 **School Finance and Business Administration**

EDPS676 School Finance and Business Administration; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI676, EDPL676, or EDPS676. Formerly EDPL676. Introduction to principles and practices in the administration of the public school finance activity. Sources of tax revenue, the budget, and the function of finance in the educational program are considered.

0101	Jennifer Rice	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 2102

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS703 **Quantitative Applicaltions for Education Policy Analysis**

EDPS703 Quantitative Applicaltions for Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: EDMS646 and/or EDMS651; or equivalent. Credit will be granted for only one of the following: EDHI703, EDPL703, EDPL788U, or EDPS703. Formerly EDPL703. Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.

0101	Thomas Davis	Seats (Total: 20)
	Th 7:00pm - 9:45pm	EDU 2101

EDPS711 **Oral History and Education**

EDPS711 Oral History and Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: EDHI711, EDPL711, or EDPS711. Formerly EDPL711. Introduction to the art, science, and craft of oral history as reflected in education purposes, policies and practices.

0101	Barbara Finkelstein	Seats (Total: 10)
	Th 7:00pm - 9:45pm	EDU 2102

EDPS731 **Transcultural Education Policy and Practice**

EDPS731 Transcultural Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI/EDPL/EDPS624 or a cultural studies equivalent. Credit will be granted for only one of the following: EDHI731, EDPL731, or EDPS731. Formerly EDPL731.

0101	Barbara Finkelstein	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2101

EDPS735 **Phenomenological Inquiry I**

EDPS735 *(PermReq)* **Phenomenological Inquiry I; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI735, EDPL 735, or EDPS735. Formerly EDPL735. Philosophic grounding for phenomenological inquiry at a beginning level. Guided writing practice in doing phenomenological inquiry is provided on a selected lived experience phenomenon.

0101	Francine Hultgren	Seats (Total: 12)
	Th 4:15pm - 7:00pm	EDU 3236

EDPS751 **Law, Equity, and Diversity in Education**

EDPS751 Law, Equity, and Diversity in Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI/EDPL/EDPS651 or EDHI/EDPL/EDPS671; or permission of instructor. Credit will be granted for only one of the following: EDHI751, EDPL751, or EDPS751. Formerly EDPL751. An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.

0101	Robert Croninger	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 1107

EDPS788F **Special Topics in Education Policy and Administration; Education Policy and the Politics of Education Reform**

EDPS788F Special Topics in Education Policy and Administration: Education Policy and the Politics of Education Reform; (3 credits) Grade Method: REG/AUD.

0101	Betty Malen	Seats (Total: 24)
	W 4:15pm - 7:00pm	EDU 2102

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS837 **Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development**

EDPS837 Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDHI/EDPL/EDPS635 or permission of department. Credit will be granted for only one of the following: EDHI837, EDPL837, or EDPS837. Formerly EDPL837.* An advanced seminar focusing upon critical analyses of the themes, concepts, and language relevant to Curriculum Theory, Policy, and Research. Focus on education policy issues relating to race, class, and social justice with special reference to patterns of economic and cultural distribution, their impact upon persons at society's margins and on specific curricular responses to injustice.

0101	Steven Selden	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0202

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (1-8 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Spring 2012

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470. Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Carolyn Fink TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 0212
0201	Agnesanne Danehey TuTh 2:00pm - 3:15pm	Seats (Total: 35) EDU 0212

EDSP289H **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289H Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This is the honors version of EDSP289I. Restricted to students in the University Honors program.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 EDU 2101	Discussion

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
University Honors students should register for EDSP289H.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 EDU 1315	Discussion
0201	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 EDU 0206	Discussion

EDSP403 **Instruction of Students with Physical Disabilities**

EDSP403 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP603. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315	

EDSP407 **Field Placement II: Special Education**

EDSP407 Field Placement II: Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP333 or EDSP407. Formerly EDSP333. Practicum experience in special education. Field placement for two-three half days.

0101	M Brown F 10:00am - 12:00pm MW 8:00am - 1:00pm	Seats (Total: 25) EDU 2101 EDU 2101	 Lab
0201	M Brown F 10:00am - 12:00pm TuTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2102 JMP 1109	 Lab

EDSP410 **Functional Reading and Community Based Instruction**

EDSP410 Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP614. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP415 **Assessment in Special Education**

EDSP415 Assessment in Special Education; (3 credits) Grade Method: REG/AUD.
Recommended: STAT100 or SOCY201. For EDSP or 0808P majors only. Also offered as EDSP615. Credit will be granted for only one of the following: EDSP320, EDSP415 or EDSP615. Formerly EDSP320. Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

0101	Jade Wexler M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Jennifer Kline, Miji Kim W 4:15pm - 7:00pm	Seats (Total: 30) EDU 1315
OM11	Dawn Molloy, Paula Beckman **Meets March 23, 2012 - May 5, 2012** F 6:00pm - 9:30pm Sa 9:00am - 5:00pm	Seats (Total: 17) Location: TBA Location: TBA

EDSP416 **Reading and Writing Instruction in Special Education I**

EDSP416 Reading and Writing Instruction in Special Education I; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP616. Credit will be granted for only one of the following: EDSP416, EDSP443 or EDSP616. Formerly EDSP443. Assessment and instruction of reading and writing skills for students in special education.

0101	Elizabeth Montanaro W 1:15pm - 4:00pm	Seats (Total: 35) EDU 0212
0201	Kimberly Palombo M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0212

EDSP423 **Assessment in Early Childhood Special Education**

EDSP423 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP624. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1107

EDSP424 **Field Placement in Special Education: Early Childhood II**

EDSP424 Field Placement in Special Education: Early Childhood II; (2-4 credits)
Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience II in early childhood special education. Students must reserve three half days (8-1) for this experience. Special education majors only.

0101	Rebecca Silverman	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 1315 Location: TBA	Lab

EDSP430 **Early Intervention: Early Childhood Special Education**

EDSP430 Early Intervention: Early Childhood Special Education; (3 credits)
Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP631. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Sandra Newcomb, Paula Beckman	Seats (Total: 15)	
	W 4:15pm - 7:00pm	EDU 0202	

EDSP435 **Field Placement in Special Education: Secondary Middle II**

EDSP435 Field Placement in Special Education: Secondary Middle II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience II in elementary special education.

0101	Debra Neubert	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 3236 Location: TBA	Lab

EDSP454 **Field Placement in Special Education: Elementary II**

EDSP454 Field Placement in Special Education: Elementary II; (2-4 credits) Grade Method: REG/AUD.

For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in elementary special education. Field experience II in elementary special education.

0101	Paula Maccini F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0206 Location: TBA	 Lab

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.

Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Heather Allcock W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1107
0201	Agnesanne Danehey TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 2110
0401	Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 40) HBK 0109

EDSP474 **Assessment in Middle/Secondary Special Education**

EDSP474 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.

For EDSP or 0808P majors only. Also offered as EDSP674. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 1304A

EDSP476 **Communicating with Sign Language**

EDSP476 Communicating with Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDSP376 or permission of department. Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Michael Dunham MW 5:00pm - 6:15pm	Seats (Total: 30) TWS 1107

EDSP485 **Assessment and Instruction in Mathematics in Special Education**

EDSP485 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP683. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education .

0101	Jason Miller, Paula Maccini Tu 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.*	Seats (Total: 26) EDU 3315
0201	Kenneth Wright Th 4:15pm - 7:00pm *This section is designed for Elementary Special Education majors and minors. Permission if required for minors.*	Seats (Total: 30) EDU 3233

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/P-F/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

OM11	Paula Beckman **Meets March 23, 2012 - May 5, 2012** Contact instructor or department for details.	Seats (Total: 17)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advisement**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advisement; (1-6 credits)** Grade Method: REG/P-F/AUD.
Special education and intended special education majors only.

0101	Thomas Sabella Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 25) EDU 0206

EDSP603 **Instruction of Students with Physical Disabilities**

EDSP603 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP403. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315

EDSP614 **Advanced Topics in Functional Reading and Community Based Instruction**

EDSP614 Advanced Topics in Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP410. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP615 **Evaluation and Measurement of Exceptional Children and Youth**

EDSP615 Evaluation and Measurement of Exceptional Children and Youth; (3 credits) Grade Method: REG/AUD.
Prerequisites: {EDMS 446; and EDMS 646; and EDSP 600} or permission of department. Also offered as EDSP 415. Credit will be granted for only one of the following: EDSP 415 or EDSP 615. Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

0101	Jade Wexler M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Miji Kim, Jennifer Kline W 4:15pm - 7:00pm	Seats (Total: 30) EDU 1315
OM11	Paula Beckman, Dawn Molloy **Meets March 23, 2012 - May 5, 2012** F 6:00pm - 9:30pm Sa 9:00am - 5:00pm	Seats (Total: 17) Location: TBA Location: TBA

EDSP616 **Reading and Writing Instruction in Special Education I**

EDSP616 Reading and Writing Instruction in Special Education I; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP 416. Credit will be granted for only one of the following: EDSP 416 or EDSP 616. Assessment and instruction of reading and writing skills and strategies for students in special education.

0101	Elizabeth Montanaro W 1:15pm - 4:00pm	Seats (Total: 35) EDU 0212
0201	Kimberly Palombo M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0212

EDSP624 **Assessment in Early Childhood Special Education**

EDSP624 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP423. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1107

EDSP631 **Early Intervention: Early Childhood Special Education**

EDSP631 Early Intervention: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP430. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman, Sandra Newcomb W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP670 **Single Subject Research in Special Education**

EDSP670 Single Subject Research in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 600 or permission of department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0206

EDSP673 **Evaluating Evidence-Based Practices in Special Education**

EDSP673 Evaluating Evidence-Based Practices in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Recommended: EDSP600 and EDSP670. Credit will be granted for only one of the following: EDSP673 or EDSP798E. Formerly EDSP798E. Evaluating evidence-based practices in special education, by examining theoretical origins, use of causal designs, programmatic lines of research, and research syntheses to explore the development of what it means for an intervention to have the potential to significantly impact practice.

0101	Susan De La Paz Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 0114

EDSP674 **Assessment in Middle/Secondary Special Education**

EDSP674 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP474. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 1304A

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP482. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

OM11	Patricia Jamison, Leslie Page-Voth **Meets January 20, 2012 - June 9, 2012** F 6:00pm - 9:30pm Sa 9:00am - 5:00pm	Seats (Total: 17) Location: TBA Location: TBA

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP485. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

0101	Jason Miller, Paula Maccini Tu 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission required for minors.*	Seats (Total: 26) EDU 3315
0201	Kenneth Wright Th 4:15pm - 7:00pm *This section is designed for Elementary Special Education majors and minors. Permission required for minors.*	Seats (Total: 30) EDU 3233

EDSP684 **Reading and Writing Instruction in Special Education II**
Contact department for information to register for this course.

EDSP690 **Teacher Candidate Research Seminar in Special Education**

EDSP690 Teacher Candidate Research Seminar in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Martha Moon Contact instructor or department for details. *Section 0101 is for Master's Certification Program students.*	Seats (Total: 15)
0201	Frances Kohl Contact instructor or department for details. *Section 0201 is for 5-Year Program students.*	Seats (Total: 30)

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 Graduate Internship in Special Education II: Early Childhood; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. Students must pay a $400.00 lab fee.

0101	Joan Lieber	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP695 **Graduate Internship in Special Education II: Elementary**

EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP495, EDSP694, or EDSP888A. Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings. Students must pay a $400.00 lab fee.

0101	Jade Wexler	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP696 **Graduate Internship in Special Education II: Secondary Middle**

EDSP696 Graduate Internship in Special Education II: Secondary Middle; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP496, EDSP696, or EDSP889A. Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings. Students must pay a $400.00 lab fee.

0101	Paula Maccini	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Special education majors only.

Contact department for information to register for this course.

EDSP872 **Theory and Empirical Design in Special Education Research**

EDSP872 Theory and Empirical Design in Special Education Research; (3 credits) Grade Method: REG/AUD.
For Doctorial Students only. Prerequisite: EDMS645 and EDMS646 or permission of department. Credit will be granted for only one of the following: EDSP672 or EDSP872. Formerly EDSP672. Design and evaluation of quantitative research in special education across disabilities and ages.

0101	Rebecca Silverman	Seats (Total: 12)
	W 7:00pm - 9:40pm	EDU 1315

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP889A **Internship in Special Education**
Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Spring 2012

EDUC388 **Special Topics in Education; Guided Experiences in College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experiences in College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.
Course restricted to students approved as undergraduate teaching assistants. Section 0101 reserved for standard UTA program and should be taken concurrently with EDCI 498 section 6601 for 1 credit. Section 0201 reserved for Academic Achievement Programs and should be taken concurrently with EDCI 498 section 6601 for 1 credit.

0101	Dawn Sherman	Seats (Total: 30)
	Th 5:00pm - 7:00pm	ASY 3211
	Contact instructor or department for details.	

0201	Sharon Vanwright Contact instructor or department for details. Contact instructor or department for details. *Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.*	Seats (Total: 20)
0301	Megan Hurley W 12:00pm - 1:30pm Contact instructor or department for details.	Seats (Total: 25) EDU 0202

EDUC388H **Special Topics in Education; Honors Synthesis Seminar II**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar II; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program.

0101	Christy Tirrell-Corbin M 4:15pm - 6:15pm	Seats (Total: 20) EDU 3315

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Course restricted to students admitted to College of Education honors program.

0101	Christy Tirrell-Corbin Contact instructor or department for details.	Seats (Total: 7)

EDUC698E **Advanced Topics in Education; International Program Fellows**
Contact department for information to register for this course.

EDUC698O **Advanced Topics in Education; Universal Design/AT for Learning and Literacy for English Language learners in General Classroom Settings**
Contact department for information to register for this course.

EMBA Executive MBA Program Spring 2012

EMBA610 **Introduction to Financial Accounting**
Contact department for information to register for this course.

EMBA611 **Managerial Accounting**

	Contact department for information to register for this course.
EMBA616	**Accounting for Senior Management** **Contact department for information to register for this course.**
EMBA630	**Data Models and Decisions** **Contact department for information to register for this course.**
EMBA653	**Corporate Venturing** **Contact department for information to register for this course.**
EMBA678	**Ethical Leadership** **Contact department for information to register for this course.**
EMBA678B	**Ethical Leadership; Ethical Leadership Part II** **Contact department for information to register for this course.**
EMBA681	**Managerial Economics and Public Policy** **Contact department for information to register for this course.**
EMBA683	**The Global Economic Environment** **Contact department for information to register for this course.**
EMBA686	**Competition, Strategy and Globalization** **Contact department for information to register for this course.**
EMBA690	**Strategic Management** **Contact department for information to register for this course.**
EMBA694	**Operations Management** **Contact department for information to register for this course.**
EMBA757	**Marketing Strategy** **Contact department for information to register for this course.**
EMBA758C	**Special Topics; Global Business Environments** **Contact department for information to register for this course.**

EMBA758D **Special Topics; Leadership Development**
Contact department for information to register for this course.

EMBA758E **Special Topics; Global Entrepreneurship and Innovation**
Contact department for information to register for this course.

EMBA758G **Special Topics; Business Simulation**

EMBA758G Special Topics: Business Simulation; (2 credits) Grade Method: REG.

SC05	Joyce Russell **Meets May 1, 2012 - May 18, 2012** Contact instructor or department for details.	Seats (Total: 40)
SC06	Joyce Russell **Meets May 1, 2012 - May 18, 2012** Contact instructor or department for details.	Seats (Total: 23)

EMBA758V **Special Topics; Ethics and Business Law**
Contact department for information to register for this course.

EMBA759 **Independent Study**

EMBA759 Independent Study; (1-6 credits) Grade Method: REG.

EM11	Oliver Schlake **Meets February 3, 2012 - March 1, 2012** Contact instructor or department for details.	Seats (Total: 1)

EMBA759B **Independent Study**

EMBA759B Independent Study; (1-6 credits) Grade Method: REG.

EM11	Charles Olson **Meets February 8, 2012 - March 10, 2012** Contact instructor or department for details.	Seats (Total: 15)

EMBA759C **Independent Study**

EMBA759C Independent Study; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EMBA759D **Independent Study**

EMBA759D Independent Study; (1-6 credits) Grade Method: REG.

EM11	Joseph Bailey	Seats (Total: 1)
	Meets March 28, 2012 - May 3, 2012	
	Contact instructor or department for details.	

EMBA759E **Independent Study**

EMBA759E Independent Study; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EMBA778C **Special Topics; Financial Planning and Control Systems**
Contact department for information to register for this course.

EMBA778D **Special Topics; Corporate Strategy**
Contact department for information to register for this course.

EMBA778E **Special Topics; Executive Power and Negotiations**
Contact department for information to register for this course.

EMBA789A **Leadership Mastery**
Contact department for information to register for this course.

EMBA789B **Leadership Mastery**
Contact department for information to register for this course.

EMBA789C **Leadership Mastery**
Contact department for information to register for this course.

EMBA789K **Leadership Mastery**
Contact department for information to register for this course.

EMBA789L **Leadership Mastery**
Contact department for information to register for this course.

EMBA789M **Leadership Mastery**
Contact department for information to register for this course.

EMBA798B **Action Learning Project**
Contact department for information to register for this course.

EMBA798D **Action Learning Project**
Contact department for information to register for this course.

EMBA798E **Action Learning Project; Leading Change**
Contact department for information to register for this course.

EMBA798F **Action Learning Project; Business Problem Solving**
Contact department for information to register for this course.

ENAE Engineering, Aerospace Spring 2012

ENAE200 **Aerospace Engineering Profession II**

ENAE200 Aerospace Engineering Profession II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENAE100. For ENAE majors only. Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

0101	Aileen Hentz, Mark Lewis, Kevin Lewy	Seats (Total: 110)	
	W 2:00pm - 3:15pm	CSI 1115	
	M 2:00pm - 3:15pm	KEB 2107	Lab

ENAE202 **Aerospace Computing**

ENAE202 Aerospace Computing; (3 credits) Grade Method: REG.
Corequisite: MATH140. For ENAE majors only or with permission of the department. Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0101	Robert Sanner MW 1:00pm - 1:50pm Th 3:00pm - 5:00pm	Seats (Total: 28) EGR 1202 KEB 2107	 Lab
0102	Robert Sanner MW 1:00pm - 1:50pm F 3:00pm - 5:00pm	Seats (Total: 28) EGR 1202 EGR 0312	 Lab
0103	Robert Sanner MW 1:00pm - 1:50pm Th 1:00pm - 3:00pm	Seats (Total: 28) EGR 1202 KEB 2107	 Lab
0104	Robert Sanner MW 1:00pm - 1:50pm F 1:00pm - 3:00pm	Seats (Total: 28) EGR 1202 EGR 0312	 Lab
0105	Robert Sanner MW 1:00pm - 1:50pm Th 11:00am - 1:00pm	Seats (Total: 28) EGR 1202 EGR 0312	 Lab

ENAE324 **Aerospace Structures**

ENAE324 Aerospace Structures; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. For ENAE majors only. Credit will be granted for only one of the following: ENAE322 or ENAE324. Formerly ENAE322. Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

0101	Mary Bowden MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 100) CHE 2108 PLS 1140	 Discussion

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE404 **Space Flight Dynamics**

ENAE404 Space Flight Dynamics; (3 credits) Grade Method: REG.
Prerequisite: ENAE301. ENAE majors only or permission of department. Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

0101	Liam Healy	Seats (Total: 45)
	TuTh 9:30am - 10:45am	PHY 1402

ENAE414 **Aerodynamics II**

ENAE414 Aerodynamics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE311. ENAE majors only or permission of department. Junior standing. Formerly ENAE371. Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Anya Jones	Seats (Total: 65)
	TuTh 9:30am - 10:45am	CSI 3117

ENAE420 **Computational Structural Mechanics**

ENAE420 Computational Structural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, MATH241, Linear Algebra. For ENAE majors only or with permission of department. Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

0101	Sung Lee MW 3:30pm - 4:45pm	Seats (Total: 35) PLS 1117

ENAE425 **Mechanics of Composite Structures**

ENAE425 Mechanics of Composite Structures; (3 credits) Grade Method: REG. *Prerequisite: ENAE324, ENES220, MATH241, and MATH246.* Introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 25) ITV 1111

ENAE432 **Control of Aerospace Systems**

ENAE432 Control of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: grade of C- or better in ENAE283 and ENAE301. Junior standing. For ENAE majors only. Formerly ENAE332. An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

0101	Robert Sanner MWF 9:00am - 9:50am	Seats (Total: 115) CHE 2110

ENAE464 **Aerospace Engineering Laboratory**

ENAE464 Aerospace Engineering Laboratory; (3 credits) Grade Method: REG. *Prerequisites: ENAE311; ENAE324; ENAE432; and ENAE362. ENAE majors only or permission of department.* Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

0101	Allen Winkelmann MW 8:00am - 8:50am M 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab
0102	Allen Winkelmann MW 8:00am - 8:50am Tu 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab
0103	Allen Winkelmann MW 8:00am - 8:50am W 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab
0201	Raymond Sedwick MW 11:00am - 11:50am Th 2:00pm - 5:00pm	Seats (Total: 18) EGR 0135 EGR 3111	 Lab
0202	Raymond Sedwick MW 11:00am - 11:50am F 2:00pm - 5:00pm	Seats (Total: 18) EGR 0135 EGR 3111	 Lab

ENAE471 **Aircraft Flight Testing**

ENAE471 Aircraft Flight Testing; (3 credits) Grade Method: REG.
Prerequisite: ENAE414;. Corequisite: ENAE403. For ENAE majors only. Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	John Leishman MW 2:00pm - 3:15pm	Seats (Total: 20) CHE 2116

ENAE482 **Aeronautical Systems Design**

ENAE482 Aeronautical Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE403; ENAE423; ENAE455; and ENAE481. Senior standing. For ENAE majors only. Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

0101	Dominic Palumbo MWF 1:00pm - 1:50pm	Seats (Total: 45) EGR 1108
0201	Sung Lee Tu 12:00pm - 1:15pm Th 10:00am - 11:15am	Seats (Total: 12) CHE 2140 CHE 2140

ENAE484 **Space Systems Design**

ENAE484 Space Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE423; ENAE441; ENAE457; and ENAE483. For ENAE majors only. Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 40) EGR 0309

ENAE488R **Topics in Aerospace Engineering; Planetary Rover Development**

ENAE488R *(PermReq)* **Topics in Aerospace Engineering: Planetary Rover Development; (3 credits)** Grade Method: REG.

0101	David Akin Contact instructor or department for details.	Seats (Total: 20)

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE633 **Helicopter Dynamics**

ENAE633 Helicopter Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 631 or permission of both department and instructor.* Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 20) ITV 1111
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENAE634 **Helicopter Design**

ENAE634 Helicopter Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 631 or permission of both department and instructor.* Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

0101	Vengalattore Nagaraj, Inderjit Chopra F 1:00pm - 5:00pm	Seats (Total: 20) EGR 1110

ENAE635 **Helicopter Stability and Control**

ENAE635 Helicopter Stability and Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: {ENAE 631 and ENAE 642,} or permission of department.* Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

0101	Roberto Celi MW 11:00am - 12:15pm	Seats (Total: 10) CHE 2145

ENAE652 **Computational Structural Mechanics**

ENAE652 *(PermReq)* **Computational Structural Mechanics; (3 credits)** Grade Method: REG.
Prerequisite: permission of both department and instructor. Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling.

0101	Abhijit Dasgupta MW 5:10pm - 6:25pm	Seats (Total: 40) JMP 3201

ENAE654 **Mechanics of Composite Structures**

ENAE654 Mechanics of Composite Structures; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of both department and instructor.. Corequisite: ENAE 423 or equivalent. An introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 30) ITV 1111
HT01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
PE01	Norman Wereley Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

TV01	Norman Wereley	Seats (Total: 5)
	Contact instructor or department for details.	

ENAE663 **Introduction to Plasmas for Space Propulsion and Power**

ENAE663 *(PermReq)* **Introduction to Plasmas for Space Propulsion and Power; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS411 and permission of instructor. Credit will be granted for only one of the following: ENAE788L or ENAE663. Formerly ENAE788L. Characteristics of plasmas, motion of charged particles in fields, collisional processes, kinetic theory, fluid desctiption of plasmas, transpot properties, equilibrium vs. non-equilibrium, generation of plasmas.

0101	Raymond Sedwick	Seats (Total: 15)
	W 4:00pm - 6:30pm	CHE 2116

ENAE674 **Aerodynamics of Compressible Fluids**

ENAE674 Aerodynamics of Compressible Fluids; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 471 or permission of department. One-dimensional flow of a perfect compressible fluid. Shock waves. Two-dimensional linearized theory of compressible flow. Two-dimensional transonic and hypersonic flows. Exact solutions of two-dimensional isotropic flow. Linearized theory of three-dimensional potential flow. Exact solution of axially symmetrical potential flow. One-dimensional flow with friction and heat addition.

0101	Christopher Cadou	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 1102

ENAE676 **Turbulence**

ENAE676 *(PermReq)* **Turbulence; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE672. Recommended: ENAE674. Physical and statistical descriptions of turbulence; review of phenomenological theories for turbulent flows; scales of motion; correlations and spectra; homogeneous turbulent flows; inhomogeneous shear flows; turbulent flows in pipes and channels; turbulent boundary layers; theory of methods for turbulent flows (Reynolds stress equations, LES, DES, DNS); experimental methods for turbulence measurements.

0101	Pino Martin MW 3:30pm - 4:45pm	Seats (Total: 15) EGR 3111

ENAE685 **Computational Fluid Dynamics II**

ENAE685 Computational Fluid Dynamics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 684 or permission of department.* Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 20) CHE 2116

ENAE741 **Interplanetary Navigation and Guidance**

ENAE741 Interplanetary Navigation and Guidance; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE432 and ENAE601. Interplanetary trajectory construction; patched and multiconic techniques. Methods of orbit and attitude determination; applied Kalman filtering. Guidance algorithms and B-plane targeting. Interplanetary navigation utilizing in situ and radio techniques.

0101	David McKinley TuTh 5:00pm - 6:15pm	Seats (Total: 30) CHM 1228

ENAE742 **Robust Multivariable Control**

ENAE742 Robust Multivariable Control; (3 credits) Grade Method: REG/AUD. Limitations on achievable performance in multivariable feedback systems due to uncertainty. Singular values, matrix norms, multivariable Nyquist stability theory, uncertainty modeling in aerospace systems. Loop-shaping, generalization of Bode design principles. Characterizing the uncertainty, robustness and performance analysis, and synthesis, primarily in the frequency domain. Current research directions. Aerospace examples are used to complement the theory.

0101	James Humbert TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3114

ENAE743 **Applied Nonlinear Control of Aerospace Vehicles**

ENAE743 Applied Nonlinear Control of Aerospace Vehicles; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE641. Modern methods of analysis and synthesis of multivariable nonlinear control techniques for aircraft, spacecraft, and space manipulator systems. Topics include passivity and Lyapunov theory, feedback linearization, nonlinear observers, Hamiltonian methods, robust controller design, and an introduction to adaptive nonlinear control methods.

0101	Derek Paley TuTh 11:00am - 12:15pm	Seats (Total: 20) KEB 1200

ENAE788E **Selected Topics in Aerospace Engineering; Electro-Mechanical Systems Modeling**

ENAE788E Selected Topics in Aerospace Engineering: Electro-Mechanical Systems Modeling; (3 credits) Grade Method: REG/AUD.

0101	Alison Flatau Tu 3:30pm - 6:30pm	Seats (Total: 10) EGR 3111

ENAE788O **Selected Topics in Aerospace Engineering; Emerging Challenges in Aerospace**

ENAE788O Selected Topics in Aerospace Engineering: Emerging Challenges in Aerospace; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

SM01	James Hubbard Contact instructor or department for details.	Seats (Total: 5)
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) ITV 1111

ENAE788P **Selected Topics in Aerospace Engineering; Manuvering in Planetary Atmospheres**
Contact department for information to register for this course.

ENAE788R **Selected Topics in Aerospace Engineering; Intro to Rotorcraft Aeroacoustics**

ENAE788R Selected Topics in Aerospace Engineering: Intro to Rotorcraft Aeroacoustics; (3 credits) Grade Method: REG/AUD.

0101	Fredric Schmitz TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1168

ENAE788W **Selected Topics in Aerospace Engineering; Anthropomorphic Robotics**

ENAE788W *(PermReq)* **Selected Topics in Aerospace Engineering: Anthropomorphic Robotics; (3 credits)** Grade Method: REG/AUD. Prerequisite: Biomechanics/kinematics, basic knowledge of physics. Exploration of biomechanical analogs of robot design in applications such as humanoid robots, exoskeletons, and prosthetics. Topics covered include artificial muscles as prime movers, realization of complex joints, articulation of limbs, inverse dynamics, and whole body humanoid control. Principles will be demonstrated through both case studies and laboratory sessions.

0101	Norman Wereley, Craig Carignan W 4:00pm - 6:30pm	Seats (Total: 7) CHE 2136

ENAE788Z **Selected Topics in Aerospace Engineering; Applied Linear Algebra and Variational Methods**
Contact department for information to register for this course.

ENAE791 **Launch and Entry Vehicle Design**

ENAE791 Launch and Entry Vehicle Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 601.* Design of aerospace vehicles for atmospheric transit to and from space. Generic formulation of atmospheric flight dynamics. Ballistic and lifting entry trajectories. Estimation of vehicle aerodynamic properties and aerothermodynamic heating. Entry thermal protection design. Trajectory analysis of sounding rockets and orbital launch vehicles. Serial, parallel, and hybrid multistaging schemes, optimal multistaging. Constrained trajectory optimization. Launch vehicle economic and reliability analysis, flight termination systems, sensors and actuators.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 40) EGR 2107
HT01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 10) Location: TBA

TV01	David Akin	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	Location: TBA

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Spring 2012

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker	Seats (Total: 100)
	F 1:00pm - 1:50pm	EGR 1202

ENCE189I **Managing Natural Disasters: Hurricanes, Floods, Earthquakes, Tornadoes, Tsunamis, and Fires**

ENCE189I Managing Natural Disasters: Hurricanes, Floods, Earthquakes, Tornadoes, Tsunamis, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Gerald Galloway, Lewis Link M 10:00am - 11:15am Tu 10:00am - 11:15am	Seats (Total: 30) SYM 0200 EGR 1104	 Discussion
0102	Gerald Galloway, Lewis Link M 10:00am - 11:15am Tu 12:30pm - 1:45pm	Seats (Total: 20) SYM 0200 CHE 2116	 Discussion
0103	Lewis Link, Gerald Galloway M 10:00am - 11:15am Tu 2:00pm - 3:15pm	Seats (Total: 30) SYM 0200 CHE 2136	 Discussion

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Kaye Brubaker, Frank White MW 2:00pm - 3:15pm	Seats (Total: 37) EGR 0135	
0201	Frank White, Kaye Brubaker MW 3:30pm - 4:45pm	Seats (Total: 37) EGR 0135	

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 43) EGR 1108
0201	Yunfeng Zhang MWF 2:00pm - 2:50pm	Seats (Total: 60) KEB 1110

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Baoxia Mi TuTh 9:30am - 10:45am	Seats (Total: 65) KEB 1110

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

0102	Dimitrios Goulias W 1:00pm - 3:00pm Th 12:00pm - 2:00pm	Seats (Total: 15) CHE 2110 EGL 0110E	 Lab
0103	Dimitrios Goulias W 1:00pm - 3:00pm Th 2:00pm - 4:00pm	Seats (Total: 15) CHE 2110 EGL 0110E	 Lab
0104	Dimitrios Goulias W 1:00pm - 3:00pm Th 4:00pm - 6:00pm	Seats (Total: 15) CHE 2110 EGL 0110E	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

0101	David Lovell MWF 2:00pm - 2:50pm	Seats (Total: 65) EGR 1202	

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0201	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 45) EGR 1108
0301	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 40) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 60) CHM 2201

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For Clark School of Engineering majors only. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

0101	Scott Macrae	Seats (Total: 100)
	M 5:00pm - 7:30pm	CHE 2110
	Click here for syllabus.	

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Fernando Garcia	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	MMH 1304

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

0101	Bilal Ayyub	Seats (Total: 62)
	MWF 9:00am - 9:50am	PLS 1130

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 Analysis of Civil Engineering Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, MATH140 and permission of department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Hakob Avetisyan TuTh 9:30am - 10:45am	Seats (Total: 50) JMP 3216
0201	Hakob Avetisyan TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2116

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 Introduction to Transportation Engineering and Planning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

0101	Mark Franz MWF 1:00pm - 1:50pm	Seats (Total: 48) BPS 0283

ENCE402 **Simulation and Design of Experiments for Engineers**

ENCE402 *(PermReq)* **Simulation and Design of Experiments for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE302 and permission of department. Review of statistics and hypothesis testing, sample design and design of experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

0101	Steven Gabriel TuTh 11:00am - 12:15pm	Seats (Total: 50) CSI 1121

ENCE412 **Environmental Engineering Unit Operations**

ENCE412 *(PermReq)* **Environmental Engineering Unit Operations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305, ENCE310 and permission of department. Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

0101	Allen Davis TuTh 2:00pm - 3:15pm	Seats (Total: 35) EGR 0108

ENCE421 **Legal Aspects of Engineering Practice**

ENCE421 Legal Aspects of Engineering Practice; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENCE320 or equivalent; and permission of department. For ENCE majors, PM minors, or permission of department. Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

0101	Randolph Sibold Th 5:00pm - 7:30pm	Seats (Total: 61) CHM 0119

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201 and permission of department. For ENCE majors, PM minors, or permission of department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Sam Negahban	Seats (Total: 55)
	Th 5:00pm - 7:30pm	PHY 1204

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 Project Planning, Scheduling and Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. For ENCE majors, PM minors, or permission of department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules.

0101	Kenneth O'Connell	Seats (Total: 45)
	M 5:00pm - 7:30pm	CHE 2118

ENCE424 **Communication for Project Managers**

ENCE424 Communication for Project Managers; (3 credits) Grade Method: REG.
For Project Management Minors and CEE Majors only; or permission of department. The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	William Brantley	Seats (Total: 100)	
	Tu 5:00pm - 7:30pm	CHE 2110	

ENCE431 **Hydrologic Engineering**

ENCE431 *(PermReq)* **Hydrologic Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305 and permission of department. An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

0101	Richard McCuen	Seats (Total: 40)	
	MWF 9:00am - 9:50am	EGR 1104	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and ENCE353; and permission of department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Yunfeng Zhang, Mohamed Aggour	Seats (Total: 20)	
	Tu 2:00pm - 3:00pm	JMP 1109	
	W 1:00pm - 4:00pm	JMP 1109	Lab

ENCE447 **Pavement Engineering**

ENCE447 Pavement Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Fundamental principles underlying the design, construction, maintenance and repair, and management of highway and airfield pavement systems. Pavement performance (functional/structural; evaluation); pavement mechanics (multi-layered elastic theory; slab theory); pavement materials (properties and characterization); environmental effects; current rigid and flexible design methods (new/rehabilitation); construction (new construction; maintenance/repair; rehabilitation); economic evaluation; pavement management.

0101	Charles Schwartz	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EGR 1102

ENCE453 **Computer-Aided Structural Analysis**

ENCE453 *(PermReq)* **Computer-Aided Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and permission of department. Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

0101	Amde Amde	Seats (Total: 65)
	TuTh 9:30am - 10:45am	MMH 1304

ENCE455 **Design of Steel Structures**

ENCE455 *(PermReq)* **Design of Steel Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

0101	Peter Chang	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	EGR 0309

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

0101	Oliver Hao Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 36) EGR 1202 EGR 1156
0201	Oliver Hao Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 35) EGR 1202 EGR 1156

ENCE472 **Transportation Engineering**

ENCE472 *(PermReq)* **Transportation Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

0101	Paul Schonfeld TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGR 0108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE489O **Special Problems in Civil Engineering; Hazardous Waste Management**

ENCE489O Special Problems in Civil Engineering: Hazardous Waste Management; (3 credits) Grade Method: REG/P-F/AUD.

0101	Yaron Sternberg MWF 11:00am - 11:50am	Seats (Total: 10) EGR 3102

ENCE602 **Project Procurement Management**

ENCE602 Project Procurement Management; (3 credits) Grade Method: REG/AUD.
For PM majors, ENCE, ENPM and GCMP majors only; or permission of department. Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.

0101	Qingbin Cui W 3:30pm - 6:00pm	Seats (Total: 25) ITV 1100
PM01	Qingbin Cui Class time/details on ELMs	Seats (Total: 25) ONLINE

ENCE605 **Evolving as a Project leader**

ENCE605 Evolving as a Project leader; (3 credits) Grade Method: REG.
Prerequisite: ENCE665 (no exceptions). Projects are now used by many organizations for the implementation of strategic initiatives. This means that project managers must be able to do more than manage, organize, and control. They must be able to lead the project team and its stakeholders through change. This course builds on the foundation created in ENCE665. It explores: (1)leadership theory and evolution; (2) the role of leadership in project teams; (3) you as a leader; and (4) your personal development as a project leader.

0101	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 15) EGR 2103

PM01	Jocelyn Davis	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
	Weekly video conferences Monday 7:00-8:00 pm	

ENCE613 **Structural Dynamics**

ENCE613 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Formerly ENCE653. Analysis of the dynamic response of structrues and structural components subjected to impact load, transient load, and ground excitations; study of single degree-of-freedom and multi degree-of-freedom systems in classical closed form solution and approximate numerical solution; solution in the frequency domain and the use of finite element method.

0101	Yunfeng Zhang	Seats (Total: 25)
	W 4:30pm - 7:00pm	KEB 1200

ENCE620 **Risk Analysis for Engineering**

ENCE620 Risk Analysis for Engineering; (3 credits) Grade Method: REG/AUD.
Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.

0101	Bilal Ayyub	Seats (Total: 20)
	M 2:00pm - 4:30pm	EGR 1110

ENCE624 **Managing Projects in a Dynamic Environment**

ENCE624 Managing Projects in a Dynamic Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

PM01	Man Cheung, John Cable	Seats (Total: 30)
	Meets January 28, 2012 - May 12, 2012	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Mondays 8:00-9:00pm.	

ENCE625 **Project Administration**

ENCE625 Project Administration; (3 credits) Grade Method: REG/AUD.
The principals of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems or construction.

0101	Neil Schulman	Seats (Total: 45)
	Tu 6:00pm - 8:30pm	EGR 2103
PM01	Neil Schulman	Seats (Total: 30)
	Meets January 28, 2012 - May 12, 2012	
	Class time/details on ELMs	ONLINE
	Weekly video conferences Wednesday 7:00-8:00pm.	

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher	Seats (Total: 30)
	Meets January 28, 2012 - May 12, 2012	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Th 8:00-9:00 am or 7:00-8:00pm	

ENCE641 **Advanced Foundations Systems**

ENCE641 Advanced Foundations Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENCE 340 or equivalent.* Review of soil properties and subsurface exploration, evaluation and design of shallow foundations, including settlement and bearing capacity of spread footings and mats. Discussion of methods of soil improvement. Analysis and design of deep foundations including single pile, pile load testing, pile group actions, and drilled shaft foundations for both vertical and horizontal loads. Load and resistance factor design concepts will be presented.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 2116

ENCE644 **Advanced Pavement and Civil Engineering Materials**

ENCE644 Advanced Pavement and Civil Engineering Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 300. Credit will be granted for only one of the following: ENCE 644 or ENCE 688P. Formerly ENCE688P. Advanced course in Highway and Civil Engineering Materials. Dynamic Material Characterization. Elastic, Plastic and Viscoelastic Behavior. Energy Analysis. Physical and Mechanical Properties. NDT. Performance: Creep, Fatigue, Durability, other. Recent developments in Aggregate Evaluation, Portland Cement Concrete, High Performance Concrete, Conventional and Modified Asphalt Binders and Mixtures, Polymers & Composites, Geotextiles, Smart and Self Healing Materials, Recycled and Reclaimed Materials.

0101	Dimitrios Goulias	Seats (Total: 15)
	W 4:00pm - 6:30pm	EGR 1110

ENCE655 **Environmental Behavior of Organic Pollutants**

ENCE655 Environmental Behavior of Organic Pollutants; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE651. Introduction to the scientific data needed and methods currently available to assess the environmental risk of organic chemicals. Applications of principles from chemical thermodynamics will be used to study phase-transfer processes of organic pollutants in the environment (solid/water, solid/air, water/air). Physical-chemical properties of organic pollutants will be used to estimate partitioning.

0101	Alba Torrents	Seats (Total: 15)
	W 9:00am - 11:30am	EGR 1110

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.
Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

PM01	Man Cheung, John Cable	Seats (Total: 35)
	Meets January 28, 2012 - May 12, 2012	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Th 7:00-8:00am or 8:00-9:00pm	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

0101	Thomas Barham	Seats (Total: 50)
	W 6:00pm - 8:30pm	EGR 2103

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. For Clark School of Engineering majors only. Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

PM01	Kathryn Britton	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

0101	Gregory Baecher	Seats (Total: 40)
	Th 3:30pm - 6:00pm	EGR 2103
PM01	Gregory Baecher	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENCE673 **Urban Transportation**

ENCE673 Urban Transportation; (3 credits) Grade Method: REG/AUD.
The contempory methodology of urban transportation planning. The urban transportation planning process, interdependence between the urban transportation system and the activity system, urban travel demand models, evaluation of urban transportation alternatives and their implementation.

0101	Lei Zhang	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMP 1202

ENCE674 **Urban Transit Planning and Rail Transportation Engineering**

ENCE674 Urban Transit Planning and Rail Transportation Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of instructor. Basic engineering components of conventional and high speed railroads and of air cushion and other high speed new technology. The study of urban rail and bus transit. The characteristics of the vehicle, the supporting way, and the terminal requirements will be evaluated with respect to system performance, capacity, cost, and level of service.

0101	Paul Schonfeld	Seats (Total: 28)
	Tu 5:00pm - 7:45pm	EGR 2154

ENCE688C **Advanced Topics in Civil Engineering; Chemistry of Natural Waters II**

ENCE688C Advanced Topics in Civil Engineering: Chemistry of Natural Waters II; (3 credits) Grade Method: REG/AUD.
A continuation of ENCE 651, introducing aquatic chemical kinetics and ch emistry of the solid-water interface.

0101	Allen Davis	Seats (Total: 15)
	TuTh 9:30am - 10:45am	EGR 0108

ENCE688I **Advanced Topics in Civil Engineering; Discrete Choice Analysis**

ENCE688I Advanced Topics in Civil Engineering: Discrete Choice Analysis; (3 credits) Grade Method: REG/AUD.
Methods and statistics of model estimation; maximum-likelihood estimation; individual choice theory; binary choice models; multi-dimensional choice models; sampling theory and sample design; aggregate prediction with choice models; joint stated preference and revealed preference modeling, and longitudinal choice analysis; review of state-of-the-art and future directions.

0101	Cinzia Cirillo	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 0135

ENCE688K **Advanced Topics in Civil Engineering; Hydrologic Data Assimilation**

ENCE688K Advanced Topics in Civil Engineering: Hydrologic Data Assimilation; (3 credits) Grade Method: REG/AUD.
Prerequisites: Probability and Statistics for Civil and Environmental En gineers (or equivalent). Knowledge of Matlab programming language. The emerging field of data assimilation is a general technique whereby observations and physical models are optimally merged based on weighing uncertainties in an effort to derive the most utility from two disparate data streams. A particular emphasis will be made on the utiliz ation of observations collected by space-based instrumentation.

0101	Barton Forman	Seats (Total: 15)
	TuTh 3:00pm - 4:15pm	CHM 0122

ENCE688N **Advanced Topics in Civil Engineering; Environmental Microbiology**

ENCE688N Advanced Topics in Civil Engineering: Environmental Microbiology; (3 credits) Grade Method: REG/AUD.
Covers the basics of microbiology including microbial ecology, physiology, diversity, metabolism, and kinetics. Examines applications of microbiology and biochemistry in environmental engineering such as subsurface remediation and wastewater treatment. Identifies the environmental engineering solutions to prevent and mitigate the spread of microbial pathogens. Introduces crucial microbiology and molecular biology techniques used by environmental engineers including microorganism isolation and characterization, polymerase chain reaction, and microbial toxicology assays.

0101	Krista Wigginton	Seats (Total: 15)
	M 9:00am - 11:30am	EGR 1110

ENCE688O **Advanced Topics in Civil Engineering; Hazardous Waste Management**

ENCE688O Advanced Topics in Civil Engineering: Hazardous Waste Management; (3 credits) Grade Method: REG/AUD.

0101	Yaron Sternberg	Seats (Total: 10)
	MWF 11:00am - 11:50am	EGR 3102

ENCE688R **Advanced Topics in Civil Engineering; Civil Information Systems**

ENCE688R Advanced Topics in Civil Engineering: Civil Information Systems; (3 credits) Grade Method: REG/AUD.
A hands-on introduction to engineering software development for the model-based design and operational management of modern civil systems. Students will learn how to model the structure and behavior of civil systems, and then develop object-oriented software solutions for specific civil systems applications. Motivating case studies will be drawn from road, rail, and utility networks, networked building services, and spatial modeling for buildings and urban areas.

0101	Mark Austin	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	EGR 1104

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE710 **Steel Structures I**

ENCE710 Steel Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE656. Moment connections of beams and columns. Wind bracing connections. Plate girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

0101	Chung Fu	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 3102

ENCE713 **Concrete Structures I**

ENCE713 Concrete Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE753. The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

0101	Amde Amde TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 2154

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Spring 2012

ENCH333 **Chemical Engineering Seminar**

ENCH333 Chemical Engineering Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	Nam Sun Wang W 2:00pm - 2:50pm	Seats (Total: 15) EGR 1110
0102	Richard Calabrese Th 4:00pm - 4:50pm	Seats (Total: 15) EGR 1110

0103	Sheryl Ehrman	Seats (Total: 15)	
	W 1:00pm - 1:50pm	EGR 1110	

ENCH424 **Transport Processes II**

ENCH424 *(PermReq)* **Transport Processes II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300 and ENCH422. Principles of mass and heat transfer as applied to model development and process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coeffecients with application to turbulent flow. Mircroscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coeffecients with application to turbulent flow. Heat exchanger design.

0101	Richard Calabrese	Seats (Total: 70)	
	TuTh 2:00pm - 3:15pm	CHE 2108	
	F 2:00pm - 2:50pm	CHE 2108	Discussion

ENCH440 **Chemical Engineering Kinetics**

ENCH440 *(PermReq)* **Chemical Engineering Kinetics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH400; and ENCH422. Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Srinivasa Raghavan	Seats (Total: 70)	
	MWF 3:00pm - 3:50pm	CHE 2110	
	W 4:00pm - 4:50pm	CHE 2110	Discussion

ENCH442 **Chemical Engineering Systems Analysis**

ENCH442 *(PermReq)* **Chemical Engineering Systems Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300; and ENCH422. Corequisite: ENCH440. Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.

0101	William Weigand	Seats (Total: 70)	
	MWF 9:00am - 9:50am	JMP 3201	
	W 1:00pm - 1:50pm	CHE 2108	Discussion

ENCH446 **Process Engineering Economics and Design II**

ENCH446 *(PermReq)* **Process Engineering Economics and Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENCH444. Application of chemical engineering principles for the design of chemical processing equipment. Typical problems in the design of chemical plants.

0101	Raymond Adomaitis	Seats (Total: 75)
	W 3:00pm - 5:30pm	KEB 1110

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468C **Research; Process Control and Optimization**

ENCH468C Research: Process Control and Optimization; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Weigand	Seats (Total: 30)
	MWF 10:00am - 10:50am	EGR 1102

ENCH468K **Research; Advanced Fuel Cells and Batteries**

ENCH468K Research: Advanced Fuel Cells and Batteries; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chunsheng Wang TuTh 4:00pm - 5:15pm	Seats (Total: 30) JMP 3201

ENCH468T **Research; Tissue Engineering**

ENCH468T Research: Tissue Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BIOE411 and ENCH648T.

0101	Idalis Villanueva TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301

ENCH476 **Statistics and Experiment Design**

ENCH476 Statistics and Experiment Design; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENCH468G or ENCH476. Formerly ENCH468G. Intelligent design of experiments and statistical analysis of data. Probability, probability distribution, error analysis; data collection, sampling, graphing; variance, significant tests. Cluster analysis and pattern recognition. Factorial design, combinatorial methods.

0101	Jeffery Klauda TuTh 11:00am - 12:15pm	Seats (Total: 50) CHM 0119

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department permission.

0101	Panagiotis Dimitrakopoulos Tu 11:00am - 12:00pm	Seats (Total: 30) CHE 2110

ENCH630 **Transport Phenomena**

ENCH630 Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 27)
	MW 4:00pm - 5:15pm	EGR 2116

ENCH640 **Advanced Chemical Reaction Kinetics**

ENCH640 Advanced Chemical Reaction Kinetics; (3 credits) Grade Method: REG/AUD.
The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

0101	Kyu Yong Choi	Seats (Total: 30)
	MW 5:30pm - 6:45pm	EGR 2116

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648A **Special Problems in Chemical Engineering; Nanoparticle and Aerosol Dynamics**

ENCH648A Special Problems in Chemical Engineering: Nanoparticle and Aerosol Dynamics; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM608A and ENME808M.

0101	Michael Zachariah	Seats (Total: 30)
	TuTh 9:30am - 10:45am	EGR 2116

ENCH648G **Special Problems in Chemical Engineering; Statistics and Design of Experiments**

ENCH648G Special Problems in Chemical Engineering: Statistics and Design of Experiments; (3 credits) Grade Method: REG/AUD.

0101	Jeffery Klauda TuTh 11:00am - 12:15pm	Seats (Total: 20) CHM 0119

ENCH648K **Special Problems in Chemical Engineering; Advanced Fuel Cells and Batteries**

ENCH648K Special Problems in Chemical Engineering: Advanced Fuel Cells and Batteries; (3 credits) Grade Method: REG/AUD.

0101	Chunsheng Wang TuTh 4:00pm - 5:15pm	Seats (Total: 10) JMP 3201
HT01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
ME01	Chunsheng Wang Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
SM01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)

ENCH648T **Special Problems in Chemical Engineering; Tissue Engineering**

ENCH648T Special Problems in Chemical Engineering: Tissue Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE411 and ENCH468T.

0101	Idalis Villanueva TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education Spring 2012

ENCO099 **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience: Co-op/Intern Work Experience; (No credit)** Grade Method: S-F.
Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering Spring 2012

ENEE131 **Technology Choices**

ENEE131 Technology Choices; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
An exploration of the positive and negative effects of technology on society, via diverse criteria to assess the relative well being of individuals and society; an examination of how society can help shape the future of technology and the tools that can be used to make wise technology choices.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Wesley Lawson TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) CSI 2120 EGR 1102	Discussion
0102	Wesley Lawson TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) CSI 2120 EGR 0135	Discussion

ENEE132 **Engineering and Modern Medicine**

ENEE132 Engineering and Modern Medicine; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to students with 09090 or 09991 major codes. Credit will be granted for only one of the following: ENEE189W or ENEE132. Formerly ENEE189W. An introduction to the role of electrical and computer engineering in modern medicine for non-majors. Survey of biomedical devices currently being developed or used to diagnose and treat medial conditions. An examination of all aspects of the process of bringing a new product or technology to market, including the roles of government and industry, as well as financial, legal, ethical and social consideration. All technical concepts needed in the course will be introduced at the appropriate time.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Wesley Lawson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 20) EGR 0110 EGR 1110	Discussion
0102	Wesley Lawson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 20) EGR 0110 EGR 3114	Discussion

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: permission of department. For ENEE majors only. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	William Hawkins Tu 3:30pm - 4:45pm WF 9:00am - 9:50am	Seats (Total: 12) EGR 1108 AVW 1442	Discussion
0102	William Hawkins Tu 3:30pm - 4:45pm WF 10:00am - 10:50am	Seats (Total: 12) EGR 1108 AVW 1442	Discussion
0103	William Hawkins Tu 3:30pm - 4:45pm WF 11:00am - 11:50am	Seats (Total: 12) EGR 1108 AVW 1442	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Corequisite: MATH140. For ENEE majors only. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	William Hawkins TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 12) CSI 2117 AVW 2446	Discussion
0102	William Hawkins TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 12) CSI 2117 AVW 2446	Discussion

0103	William Hawkins TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 12) CSI 2117 AVW 2446	Discussion
0104	William Hawkins TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 12) CSI 2117 AVW 2446	Discussion
0201	Donald Yeung MW 9:30am - 10:45am Th 11:00am - 11:50am	Seats (Total: 12) CSI 1122 AVW 1442	Discussion
0202	Donald Yeung MW 9:30am - 10:45am Th 12:00pm - 12:50pm	Seats (Total: 12) CSI 1122 AVW 1442	Discussion
0203	Donald Yeung MW 9:30am - 10:45am Th 1:00pm - 1:50pm	Seats (Total: 12) CSI 1122 AVW 1442	Discussion
0204	Donald Yeung MW 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 12) CSI 1122 AVW 1442	Discussion

ENEE181 **Explore Electronics**

ENEE181 Explore Electronics; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Corequisite: MATH140.* A highly structured introduction to electronics and circuitry with a hands-on approach to learning. Students will build electronic devices (some of which they can keep) and test them. Among the topics covered are AC and DC circuits, BJTs, op-amps and special projects involving communication and sensing.

0101	Bryan Quinn, Romel Gomez Tu 2:00pm - 5:00pm	Seats (Total: 10) AVW 1344	Lab
0102	Romel Gomez, Bryan Quinn Th 2:00pm - 5:00pm	Seats (Total: 10) AVW 1344	Lab

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. *Sophomore standing.* Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Betsy Mendelsohn MW 12:30pm - 1:20pm F 10:00am - 11:50am	Seats (Total: 16) CSS 2324 EGR 3111	 Discussion
0102	Betsy Mendelsohn MW 12:30pm - 1:20pm F 12:00pm - 1:50pm	Seats (Total: 16) CSS 2324 EGR 3111	 Discussion
0103	Betsy Mendelsohn MW 12:30pm - 1:20pm F 2:00pm - 3:50pm	Seats (Total: 16) CSS 2324 EGR 3114	 Discussion
0104	Betsy Mendelsohn MW 12:30pm - 1:20pm F 12:00pm - 1:50pm	Seats (Total: 16) CSS 2324 EGR 1102	 Discussion

ENEE205 **Electric Circuits**

ENEE205 *(PermReq)* **Electric Circuits; (4 credits)** Grade Method: REG. *Prerequisite: A grade of C- or higher in PHSY260 and permission of department. Corequisite: MATH246. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE204 or ENEE205. Formerly ENEE204.* Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Nortor equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Julius Goldhar	Seats (Total: 14)	
	MW 11:00am - 12:15pm	CHE 2110	
	M 8:00am - 9:50am	AVW 1356	Lab
	W 9:00am - 9:50am	EGR 3114	Discussion
0102	Julius Goldhar	Seats (Total: 14)	
	MW 11:00am - 12:15pm	CHE 2110	
	Tu 2:00pm - 3:50pm	AVW 1356	Lab
	Th 2:00pm - 2:50pm	KEB 1200	Discussion
0103	Julius Goldhar	Seats (Total: 14)	
	MW 11:00am - 12:15pm	CHE 2110	
	F 10:00am - 11:50am	AVW 1356	Lab
	W 10:00am - 10:50am	EGR 3102	Discussion
0104	Julius Goldhar	Seats (Total: 14)	
	MW 11:00am - 12:15pm	CHE 2110	
	Th 2:00pm - 3:50pm	AVW 1356	Lab
	Tu 2:00pm - 2:50pm	EGR 3111	Discussion
0201	Thomas Murphy	Seats (Total: 14)	
	TuTh 12:30pm - 1:45pm	CSI 3117	
	M 10:00am - 11:50am	AVW 1356	Lab
	F 10:00am - 10:50am	EGR 3114	Discussion
0202	Thomas Murphy	Seats (Total: 14)	
	TuTh 12:30pm - 1:45pm	CSI 3117	
	W 2:00pm - 3:50pm	AVW 1356	Lab
	M 2:00pm - 2:50pm	EGR 3106	Discussion
0203	Thomas Murphy	Seats (Total: 14)	
	TuTh 12:30pm - 1:45pm	CSI 3117	
	F 8:00am - 9:50am	AVW 1356	Lab
	W 9:00am - 9:50am	EGR 3102	Discussion
0204	Thomas Murphy	Seats (Total: 14)	
	TuTh 12:30pm - 1:45pm	CSI 3117	
	F 2:00pm - 3:50pm	AVW 1356	Lab
	W 2:00pm - 2:50pm	HZF 0101	Discussion

0205	Thomas Murphy TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm Th 4:00pm - 4:50pm	Seats (Total: 14) CSI 3117 AVW 1356 EGR 0135	 Lab Discussion

ENEE222 **Elements of Discrete Signal Analysis**

ENEE222 *(PermReq)* **Elements of Discrete Signal Analysis; (4 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in MATH141 and permission of department.. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE222, ENEE241, or MATH242. Formerly ENEE241. Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Gilmer Blankenship MW 2:00pm - 3:15pm Th 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 28) CHE 2108 KEB 2111 KEB 2111	 Lab Discussion
0102	Instructor: TBA MW 2:00pm - 3:15pm Th 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 28) CHE 2108 KEB 2111 KEB 2111	 Lab Discussion
0201	Adrianos Papamarcou TuTh 11:00am - 12:15pm F 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 30) CHE 2108 CSI 2107 KEB 2111	 Lab Discussion
0202	Adrianos Papamarcou TuTh 11:00am - 12:15pm F 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 31) CHE 2108 CSI 2107 KEB 2111	 Lab Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Sophomore standing and permission of department. For ENEE and ENCP majors only.* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

0101	Yavuz Oruc MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 18) CHE 2108 EGR 1110	Discussion
0102	Yavuz Oruc MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 18) CHE 2108 EGR 1110	Discussion
0103	Yavuz Oruc MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 18) CHE 2108 EGR 2116	Discussion
0104	Yavuz Oruc MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 18) CHE 2108 EGR 3102	Discussion
0201	Charles Silio TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 12) CHE 2118 EGR 3114	Discussion
0202	Charles Silio TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 12) CHE 2118 EGR 3102	Discussion
0203	Charles Silio TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 12) CHE 2118 EGR 2116	Discussion
0204	Charles Silio TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 12) CHE 2118 EGR 1104	Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

ENEE245 *(PermReq)* **Digital Circuits and Systems Laboratory; (2 credits)** Grade Method: REG.

Prerequisite: A grade of C- or higher in ENEE244 and (ENEE150 or CMSC132); and permission of department. For 09090 or 09991 majors only. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0101	Kazuo Nakajima M 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 12) CHE 2108 AVW 1356	 Lab
0102	Kazuo Nakajima M 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 12) CHE 2108 AVW 1356	 Lab
0103	Kazuo Nakajima M 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 12) CHE 2108 AVW 1356	 Lab
0104	Kazuo Nakajima M 9:00am - 9:50am W 8:00am - 10:50am	Seats (Total: 12) CHE 2108 AVW 1356	 Lab
0201	Manoj Franklin M 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 12) CSI 3117 AVW 1356	 Lab
0202	Manoj Franklin M 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 12) CSI 3117 AVW 1356	 Lab
0203	Manoj Franklin M 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 12) CSI 3117 AVW 1356	 Lab

0204	Manoj Franklin M 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 12) CSI 3117 AVW 1356	 Lab

ENEE303 **Analog and Digital Electronics**

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C- or higher in all required 200-level ENEE courses an d permission of department. For ENEE and ENCP majors only. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Robert Newcomb MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2118 EGR 3102	 Discussion
0102	Robert Newcomb MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2118 EGR 3102	 Discussion
0201	Manoj Franklin TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 25) CHE 2108 EGR 1104	 Discussion
0202	Manoj Franklin TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 25) CHE 2108 EGR 3114	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in all required 200-level ENEE courses an d permission of department. Corequisite: ENEE303. For ENEE and ENCP majors only. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

0101	Agisilaos Iliadis W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CHE 2108 AVW 1330	 Lab
0103	Agisilaos Iliadis W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CHE 2108 AVW 1330	 Lab
0105	Agisilaos Iliadis W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHE 2108 AVW 1330	 Lab
0106	Agisilaos Iliadis W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CHE 2108 AVW 1330	 Lab
0107	Agisilaos Iliadis W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CHE 2108 AVW 1330	 Lab
0108	Agisilaos Iliadis W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CHE 2108 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C- or higher in all required 200-level courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Neil Goldsman MW 11:00am - 12:15pm Th 11:00am - 11:50am	Seats (Total: 25) EGR 0110 EGR 0108	 Discussion
0102	Neil Goldsman MW 11:00am - 12:15pm Th 12:00pm - 12:50pm	Seats (Total: 25) EGR 0110 ARM 0120	 Discussion
0201	Agisilaos Iliadis TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 25) EGR 0110 EGR 0108	 Discussion
0202	Agisilaos Iliadis TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) EGR 0110 KEB 1200	 Discussion

ENEE313H **Introduction to Device Physics**

ENEE313H *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C- or higher in all required 200-level courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	John Melngailis TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 15) EGR 3111 EGR 0135	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C- or higher in MATH246 and all required 200-level ENE E courses and permission of department. For ENEE and ENCP majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

0101	Steven Marcus MW 3:30pm - 4:45pm Tu 9:00am - 9:50am	Seats (Total: 30) JMP 3201 EGR 2154	 Discussion
0102	Steven Marcus MW 3:30pm - 4:45pm Tu 10:00am - 10:50am	Seats (Total: 30) JMP 3201 EGR 2154	 Discussion
0201	Andre Tits TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 30) CHE 2108 EGR 2116	 Discussion
0202	Andre Tits TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 30) CHE 2108 EGR 2116	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Michael Rotkowitz MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2118 EGR 3114	Discussion
0102	Michael Rotkowitz MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2118 EGR 2116	Discussion
0201	Adrianos Papamarcou TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 25) CHE 2118 EGR 1102	Discussion
0202	Adrianos Papamarcou TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 25) CHE 2118 EGR 2154	Discussion

ENEE324H **Engineering Probability**

ENEE324H *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Nuno Martins TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 15) EGR 3111 EGR 1110	Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C- or higher in all required 200-level ENEE courses a nd permission of department. Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. For ENEE and ENCP majors only. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0101	Ankur Srivastava MW 2:00pm - 3:15pm Th 9:00am - 9:50am	Seats (Total: 28) CHM 1402 EGR 3114	 Discussion
0102	Ankur Srivastava MW 2:00pm - 3:15pm Th 10:00am - 10:50am	Seats (Total: 28) CHM 1402 EGR 3114	 Discussion
0201	Charles Silio TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 1104	 Discussion
0202	Charles Silio TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 3114	 Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only. Department Permission Required.

0101	Ping-Tong Ho MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) CHE 2118 EGR 2116	 Discussion

0201	Edo Waks TuTh 3:30pm - 4:45pm W 1:00pm - 1:50pm	Seats (Total: 25) CSI 2117 EGR 1102	 Discussion
0202	Edo Waks TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 25) CSI 2117 CHE 2145	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0102	Victor Granatstein MW 12:30pm - 1:45pm Tu 1:00pm - 1:50pm	Seats (Total: 30) EGR 0110 EGR 1108	 Discussion
0201	Leonard Taylor TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 28) CSI 3117 EGR 0108	 Discussion
0202	Leonard Taylor TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 28) CSI 3117 EGR 3102	 Discussion

ENEE381H **Electromagnetic Wave Propagation**

ENEE381H *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Edward Ott	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	EGR 3111	
	M 1:00pm - 1:50pm	EGR 1110	Discussion

ENEE408C **Capstone Design Project: Modern Digital System Design**

ENEE408C *(PermReq)* **Capstone Design Project: Modern Digital System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE350. Click here for more course information.

0101	Kazuo Nakajima	Seats (Total: 12)	
	M 2:00pm - 3:15pm	AVW 2446	
	Th 9:30am - 12:30pm	AVW 2446	Lab

ENEE408D **Capstone Design Project: Mixed Signal VLSI Design**

ENEE408D *(PermReq)* **Capstone Design Project: Mixed Signal VLSI Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE302, ENEE306, and ENEE312 or ENEE303, ENEE307 and ENEE313. Click here for more course information.

0101	Pamela Abshire	Seats (Total: 31)	
	TuTh 9:30am - 10:20am	KEB 2107	
	F 11:00am - 2:00pm	KEB 2107	Discussion

ENEE408G **Capstone Design Project: Multimedia Signal Processing**

ENEE408G *(PermReq)* **Capstone Design Project: Multimedia Signal Processing; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE420 or 425. Click here for more course information.

0101	Min Wu	Seats (Total: 14)	
	M 12:30pm - 1:45pm	KEB 2107	
	W 2:00pm - 5:00pm	KEB 2107	Lab
0102	Min Wu	Seats (Total: 14)	
	M 12:30pm - 1:45pm	KEB 2107	
	W 11:00am - 2:00pm	KEB 2107	Lab

ENEE417 **Microelectronics Design Laboratory**

ENEE417 *(PermReq)* **Microelectronics Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in ENEE307 and ENEE313, and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Students design and build fairly sophisticated circuits, mainly composed of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

0101	Robert Newcomb	Seats (Total: 8)	
	Tu 11:00am - 11:50am	AVW 1334	
	M 2:00pm - 5:00pm	AVW 1334	Lab

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Prakash Narayan	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	CSI 2120	

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Vishal Patel TuTh 2:00pm - 3:15pm	Seats (Total: 40) EGR 1104	

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Steven Tretter W 10:00am - 10:50am F 9:00am - 12:00pm	Seats (Total: 8) CSI 2118 AVW 1366	 Lab
0102	Steven Tretter W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 8) CSI 2118 AVW 1366	 Lab

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. For ENEE and ENCP majors only.* Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	William Hawkins TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2154	

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: A grade of C- or higher in (ENEE205 or ENEE206) and ENEE350, and all other 200-level ENEE courses and permission of department. For ENEE and ENCP majors only.* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 12)	
	Tu 9:30am - 10:20am	AWV 2446	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Yavuz Oruc	Seats (Total: 40)	
	MW 12:30pm - 1:45pm	CHE 2136	
0201	Bruce Jacob	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	EGR 1104	

ENEE461 **Control Systems Laboratory**

ENEE461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in (ENEE205 or ENEE206) and ENEE322 and a ll required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Prerequisite: permission of department.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab

ENEE463 **Digital Control Systems**

ENEE463 *(PermReq)* **Digital Control Systems; (3 credits)** Grade Method: REG.
Prerequisites: ENEE322 and completion of lower-division technical courses in the EE curriculum. For ENEE and ENCP majors only. Not open to students who have completed ENEE469E. Formerly ENEE469E. Introduction to techniques for the analysis and design of linear control systems and implementation of control systems using digital technology. Topics include linearization, solution of linear equations, z-transforms and Laplace transforms, design of linear controllers, optimal control, and digital implementation of control designs. Students will use MATLAB for the solution of problems and the design of control systems.

0101	Gilmer Blankenship MW 11:00am - 12:15pm	Seats (Total: 42) CHE 2136	

ENEE473 **Electrical Machines Laboratory**

ENEE473 *(PermReq)* **Electrical Machines Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in (ENEE205 or ENEE206) and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

0101	Patrick McAvoy F 1:00pm - 1:50pm F 2:00pm - 5:00pm	Seats (Total: 12) EGR 2116 AVW 1360	 Lab
0102	Patrick McAvoy F 1:00pm - 1:50pm F 9:00am - 12:00pm	Seats (Total: 12) EGR 2116 AVW 1360	 Lab

ENEE475 **Power Electronics**

ENEE475 *(PermReq)* **Power Electronics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C- or higher in ENEE303 and all required 200-level ENE E courses and permission of department. For ENEE and ENCP majors only. This course is suitable for undergraduate and graduate students who want to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

0101	Isaak Mayergoyz TuTh 3:30pm - 4:45pm	Seats (Total: 68) CSI 3117	

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

ENEE496 **Lasers and Electro-optic Devices**

ENEE496 *(PermReq)* **Lasers and Electro-optic Devices; (3 credits)** Grade Method: REG.
Prerequisite: Completion of all lower-division technical courses in the EE curriculum. Corequisite: ENEE381. For ENEE and ENCP majors only. Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

0101	Mario Dagenais	Seats (Total: 40)
	MW 9:30am - 10:45am	EGR 3106

ENEE498C **Topics in Electrical Engineering; Capstone II: Advance Design**

ENEE498C *(PermReq)* **Topics in Electrical Engineering: Capstone II: Advance Design; (3 credits)** Grade Method: REG.

0101	Christopher Davis	Seats (Total: 10)
	Contact instructor or department for details.	

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**
Contact department for information to register for this course.

ENEE601 **Semiconductor Devices and Technology**

ENEE601 Semiconductor Devices and Technology; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 600 (formerly: ENEE 793), ENEE 480 or equivalent. Credit will be granted for only one of the following: ENEE 601 or ENEE 697. Formerly ENEE697. The principles, structures and characteristics of semiconductor devices. Technology and fabrication of semiconductor devices.

0101	Martin Peckerar	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 2116

ENEE611 **Integrated Circuit Design and Analysis**

ENEE611 Integrated Circuit Design and Analysis; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 610. Credit will be granted for only one of the following: ENEE 611 or ENEE 696. Formerly ENEE696. Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 0108

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Anthony Ephremides	Seats (Total: 30)	
	MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	CSI 2117 EGR 0108	Discussion

ENEE621 **Estimation and Detection Theory**

ENEE621 Estimation and Detection Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620 or equivalent. Also offered as MAPL 644.* Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

0101	Richard La	Seats (Total: 50)	
	MW 11:00am - 12:15pm	SPH 1301	

ENEE627 **Information Theory**

ENEE627 Information Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 627 or ENEE 721. Formerly ENEE721.* Information measures and their properties; entropy, relative entropy and mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

0101	Alexander Barg	Seats (Total: 50)	
	MW 3:30pm - 4:45pm	CHM 0119	

ENEE631 **Digital Image and Video Processing**

ENEE631 Digital Image and Video Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 and ENEE630 or equivalent. Foundations of digital image and video processing. Topics covered: 2-D systems and transforms; image acquisition and perception; multi-dimensional sampling; quantization; linear and non-linear techniques for image enhancement and restoration; basics on image analysis; lossless and lossy image compression; motion estimation and compensation; still image and video coding standards; applications of image and video processing.

0101	KJ Ray Liu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 2154

ENEE632 **Speech and Audio Processing**

ENEE632 Speech and Audio Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620 and ENEE 630. Credit will be granted for only one of the following: ENEE739A or ENEE 632. Formerly ENEE739A. The objective is to apply digital signal processing techniques to speech and music signals. Topics covered include acoustic theory of speech production leading to the source-filter model; acoustic and digital vocal-tract models of speech production; speech analysis-synthesis based on the short-time Fourier transform, linear prediction, and homomorphic representations; extensions to other multiresolution analysis; time-domain models for speech processing; auditory perception and speech perception; waveform and model-based speech coding using scalar and vector quantization; time-scale modification; pitch and formant estimation; application of techniques to music analysis-synthesis.

0101	Shihab Shamma	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENEE644 **Computer-Aided Design of Digital Systems**

ENEE644 Computer-Aided Design of Digital Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 449. Design methodologies for digital systems using a modern hardware description language. Algorithmic, architectural and implementation aspects of arithmetic processing elements. Design of Complex Instruction Set (CISC), Reduced Instruction Set (RISC), and floating point processors. Synthesis, simulation and testing of processors with computer-aided design tools. Students in some sections may, on permission, fabricate VLSI chips via MOSIS.

0101	Gang Qu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 2202

ENEE645 **Compilers and Optimization**

ENEE645 Compilers and Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE350 or CMSC216 or an equivalent course in assembly language. Credit will be granted for only one of the following: ENEE645 or ENEE759C. Formerly ENEE759C. The compilation, linking and loading process. Using lexical analyzers and parsers. Intermediate forms. Global, stack and heap objects, and their addressing modes. Stack implementation. Control flow analysis and optimization. Dataflow analysis and optimization including Static, single assignment. Alias analysis.

0101	Rajeev Barua	Seats (Total: 30)
	MW 3:30pm - 4:45pm	JMP 2202

ENEE661 **Nonlinear Control Systems**

ENEE661 Nonlinear Control Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE660; MATH410 or MATH411 or equivalent; or permission of instructor. State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

0101	John Baras	Seats (Total: 30)
	TuTh 10:30am - 11:45am	EGR 1110

ENEE664 **Optimal Control**

ENEE664 Optimal Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410 and ENEE660 or equivalent, or permission of instructor. Corequisite: MATH411 or permission of instructor. General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

0101	Perinkulam Krishnaprasad	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 2118

ENEE681 **Electromagnetic Theory II**

ENEE681 Electromagnetic Theory II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 381 or equivalent. Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

0101	Howard Milchberg	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 2154

ENEE691 **Optical Communication Systems**

ENEE691 Optical Communication Systems; (3 credits) Grade Method: REG/AUD.
Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

0101	Mario Dagenais	Seats (Total: 25)
	MW 2:00pm - 3:15pm	EGR 1102

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1 credit) Grade Method: REG/AUD.
Restricted to ENEE graduate students only. Click here for more course information.

0101	Robert Newcomb	Seats (Total: 30)
	Tu 5:00pm - 6:00pm	AVW 2328

ENEE698Q **Graduate Seminar; Colloquium Series**

ENEE698Q Graduate Seminar: Colloquium Series; (1 credit) Grade Method: REG/AUD.

0101	Ramalingam Chellappa	Seats (Total: 70)
	F 3:00pm - 4:00pm	KEB 1110

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE719B **Advanced Topics in Microelectronics; Advanced Power Electronics**

ENEE719B Advanced Topics in Microelectronics: Advanced Power Electronics; (3 credits) Grade Method: REG/AUD.

0101	Alireza Khaligh	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 0309

ENEE720 **Wireless Communication Theory**

ENEE720 Wireless Communication Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620 and ENEE 621. Credit will be granted for only one of the following: ENEE 720 or ENEE 729W. Formerly ENEE729W.* An advanced detection course that follows and builds on the foundations of the single-user detection theory covered in ENEE 621. The main goal is to introduce the students to the multiple-user communication theory, in particular, multi-user detection theory. Students are introduced to the multi-user performance criteria of effective energy, asymptotic multi-user efficiency and near-far resistance. The physical layer techniques of diversity reception/transmission, multiple transmit/receive antennas and beamforming will also be studied.

0101	Sennur Ulukus	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMP 2202

ENEE759K **Advanced Topics in Computer Engineering; Parallel Algorithmics**

ENEE759K Advanced Topics in Computer Engineering: Parallel Algorithmics; (3 credits) Grade Method: REG/AUD.
Also offered as CMSC751.

0101	Uzi Vishkin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMP 2202

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Spring 2012

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Christopher Davis MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Lab
0102	Kristen Hines MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) JMP 1215 EGR 1202	 Lab
0201	Peter Kofinas TuTh 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Lab
0301	Kevin Calabro MW 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Lab
0401	Ayush Gupta TuTh 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Lab
0501	Evandro Valente MW 2:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Lab

0601	Evandro Valente TuTh 2:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Lab

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Gary Pertmer MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 50) HBK 0115 CSS 2428	 Discussion
0103	Thomas Beigel MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CHE 2118 CSI 1121	 Discussion
0105	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 50) CHM 0119 CHM 2201	 Discussion
0107	Gary Pertmer MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) HBK 0115 CHM 0127	 Discussion
0109	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CSS 2428 CHM 0119	 Discussion
0201	Mary Bowden TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) EGR 1108 EGR 0110	 Discussion
0301	Robert Bonenberger MW 3:00pm - 3:50pm F 3:00pm - 4:50pm	Seats (Total: 50) JMP 3216 CHM 0127	 Discussion

0401	Peter Chang TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 38) JMP 1202 JMP 3216	 Discussion

ENES114 **Virtus Seminar II**

ENES114 *(PermReq)* **Virtus Seminar II; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Tamara Fuller, Paige Smith W 4:00pm - 5:15pm	Seats (Total: 44) EAS 0102
0201	Tamara Fuller, Paige Smith Contact instructor or department for details.	Seats (Total: 5)

ENES116 **FLEXUS Living and Learning Community Seminar II**

ENES116 FLEXUS Living and Learning Community Seminar II; (1 credit) Grade Method: REG/P-F/AUD.

Prerequisite: ENES115; Restricted to first year FLEXUS participants (coded as WCY).

The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

0101	Paige Smith, Veronica Perrigan W 4:00pm - 5:15pm	Seats (Total: 46) EGR 1108
0102	Veronica Perrigan, Paige Smith Contact instructor or department for details.	Seats (Total: 10)

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

HSWJ	Dean Chang TuTh 7:35am - 8:50am	Seats (Total: 30) Location: TBA
	Restricted to Young Scholars students. Enrollment by Office of Extende Studies permission only.	

ENES216 **FLEXUS Living and Learning Community Seminar IV**

ENES216 FLEXUS Living and Learning Community Seminar IV; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115, ENES116, and ENES215. Restricted to second year FLEXUS Participants (coded as WCY). The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project.

0101	Paige Smith W 5:00pm - 6:15pm	Seats (Total: 30) EGR 1131
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 20)

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: A C- grade or better in ENES102; and MATH141; and PHYS161. For eng ineering majors only (not including ENEE majors).* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 55) CHM 2201 CHM 0115	 Discussion
0102	William Fourney MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 55) CSS 1113 CHM 0128	 Discussion
0103	Bongtae Han MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 55) CHM 0119 CHM 0115	 Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: A C- grade or better in ENES102; and MATH141; and PHYS161. For ENGR majors only.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. Engineering College (04) only.

0101	Chandrasekhar Thamire TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 45) SYM 0200 CHM 2201	 Discussion
0102	Peter Sandborn TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 45) SPH 1303 ARM 0119	 Discussion
0104	Kevin Calabro TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) CHE 2110 CSI 2107	 Discussion

ENES232 **Thermodynamics**

ENES232 Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and PHYS261. For Engineering majors only. Formerly: ENME232 and ENME320. Credit will be granted for only one of the following: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232.
Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines MW 2:00pm - 3:15pm F 9:00am - 10:50am	Seats (Total: 60) JMP 3201 BPS 1243	Discussion
0102	Kristen Hines MW 2:00pm - 3:15pm F 11:00am - 12:50pm	Seats (Total: 60) JMP 3201 SYM 0200	Discussion
0201	Greg Jackson TuTh 8:00am - 9:15am Th 11:00am - 12:50pm	Seats (Total: 60) EGR 1202 CHE 2110	Discussion
0202	Greg Jackson TuTh 8:00am - 9:15am F 2:00pm - 3:50pm	Seats (Total: 60) EGR 1202 BPS 1243	Discussion
0203	Greg Jackson TuTh 8:00am - 9:15am Th 4:00pm - 5:50pm	Seats (Total: 40) EGR 1202 EGR 0309	Discussion

ENES317 **Introduction to Engineering Leadership**

ENES317 Introduction to Engineering Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENES100 or equivalent.
Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government. Restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

0101	Ramsey Jabaji TuTh 5:00pm - 6:15pm	Seats (Total: 30) JMP 2202	

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez	Seats (Total: 40)
	MW 11:00am - 12:15pm	VMH 1418

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 *(PermReq)* **Science, Technology and Society: Certificate Program Capstone; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: STS certificate students or permission of department. Credit will be granted for only one of the following: ENES440 or UNIV401. Formerly UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Betsy Mendelsohn	Seats (Total: 25)
	W 1:30pm - 3:00pm	CCC 1115
	Contact instructor or department for details.	

ENES461 **Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

ENES461 Advanced Entrepreneurial Opportunity Analysis in Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theoretical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in fast pace technology venture environments. Restricted to students enrolled in the Minor in Technology Entrepreneurs hip.

WB11	James Green	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

ENES465 **Entrepreneurial Design Thinking**

ENES465 Entrepreneurial Design Thinking; (3 credits) Grade Method: REG/P-F/AUD.
Explores the use of design thinking as an approach to developing customer-centered solutions to problems and fostering sustained innovation within an orgranization. Through interactive lectures, discussions, and hands-on, team-based activities, students will learn design thinking strategies and apply them to finding innovative product- or service-based solutions to contemporary issues. Restricted to students in the Hinman CEO Program.

0101	James Green, Jaclin Warner Wiggins	Seats (Total: 90)
	TuTh 5:00pm - 6:15pm	SCC 2121

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as SLLC472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

0101	Kirsten Dabelko	Seats (Total: 45)
	Th 5:00pm - 7:45pm	CHM 1224

ENES474 **Global Perspectives of Engineering**

ENES474 *(PermReq)* **Global Perspectives of Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 or permission of department. Restricted to students enrolled in the International Engineering Minor. Credit will be granted for only one of the following: ENES458M or ENES474. Formerly ENES458M. Faculty supervised research on aspects of engineering in a foreign country including leading fields of research, key world markets, and the culture of the engineering workplace. Students will produce a comprehensive report exhibiting their expertise in their chosen country and the field of engineering within.

0101	Jane Fines	Seats (Total: 5)	
	Tu 5:00pm - 8:00pm	EGR 3114	

ENES481 **Engineering Honors Seminar II**

ENES481 Engineering Honors Seminar II; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

0101	Richard McCuen	Seats (Total: 20)	
	W 12:00pm - 12:50pm	EGR 1110	

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shah-An Yang, John Baras	Seats (Total: 40)	
	Th 3:30pm - 4:45pm	EGR 1104	
	Tu 3:30pm - 6:30pm	AVW 2250	Lab

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to students in the Hillman Entrepreneurs Program.

0102	Joseph Mortati F 12:00pm - 3:00pm	Seats (Total: 35) JMP 1109
0201	Carolyn Karlson F 12:00pm - 3:00pm	Seats (Total: 25) JMP 2202

ENES498E **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

ENES498E Special Topics in Entrepreneurship: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CHEM498E.

0101	Frederick Khachik, Martha Connolly Th 2:00pm - 4:45pm	Seats (Total: 22) POT 2111

ENES601 **Future Faculty Program Seminar I**

ENES601 *(PermReq)* **Future Faculty Program Seminar I; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Open only to students in the Clark School Future Faculty Program.
Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

0101	Amr Baz Th 4:00pm - 5:15pm	Seats (Total: 25) EGR 1108

ENES603 **Future Faculty Program Seminar III**

ENES603 *(PermReq)* **Future Faculty Program Seminar III; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Open only to students in the Clark School Future Faculty Program.
Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

0101	Ramalingam Chellappa Th 3:30pm - 4:30pm	Seats (Total: 25) KEB 1200

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 Future Faculty Program Teaching Practicum; (1 credit) Grade Method: REG/AUD.
Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course. Restricted to the students in the Future Faculty program.

0101	Mark Shayman	Seats (Total: 25)	
	Contact instructor or department for details.		

ENFP Engineering, Fire Protection Spring 2012

ENFP108 **Hot Topics in Fire Protection Engineering**

ENFP108 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Milke	Seats (Total: 20)	
	W 2:30pm - 3:30pm	JMP 3106	

ENFP300 **Fire Protection Fluid Mechanics**

ENFP300 Fire Protection Fluid Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and (PHYS260 and PHYS261 {Formerly: PHYS262}).
Presents students with the fundamental properties of fluids and fluid movement. Both static and dynamic fluid problems will be considered with an emphasis on fire protection systems.

0101	Andre Marshall	Seats (Total: 35)	
	Tu 9:30am - 10:45am	CCC 1100	
	Th 9:30am - 10:45am	EGR 0309	Discussion

0102	Andre Marshall Tu 9:30am - 10:45am Th 12:30pm - 1:45pm	Seats (Total: 35) CCC 1100 EGR 0110	 Discussion

ENFP310 **Water Based Fire Protection Systems Design**

ENFP310 Water Based Fire Protection Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300 and permission of department. Corequisite: ENFP312. Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.

0101	Peter Sunderland, Joseph Simone MW 4:00pm - 5:15pm	Seats (Total: 49) JMP 3216	

ENFP320 **Fire Assessment Methods and Laboratory**

ENFP320 Fire Assessment Methods and Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
For ENFP majors only. Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	James Quintiere TuTh 11:00am - 12:15pm Th 2:00pm - 3:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0102	James Quintiere TuTh 11:00am - 12:15pm Th 3:00pm - 4:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0103	James Quintiere TuTh 11:00am - 12:15pm Th 4:00pm - 5:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0104	James Quintiere TuTh 11:00am - 12:15pm Th 5:00pm - 6:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab

ENFP350 **Professional Development Seminar**

ENFP350 *(PermReq)* **Professional Development Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Junior standing. Not open to students who have completed ENFP450. Credit will be granted for only one of the following: ENFP350 or ENFP450. Formerly ENFP450. An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

0101	Stanislav Stoliarov	Seats (Total: 49)
	Tu 3:30pm - 4:50pm	JMP 3216

ENFP411 **Fire Risk Assessment**

ENFP411 Fire Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENFP250, ENFP255 and permission of department. Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

0101	Morgan Hurley	Seats (Total: 43)
	M 5:30pm - 8:15pm	JMP 3216

ENFP416 **Problem Synthesis and Design**

ENFP416 Problem Synthesis and Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Techniques and procedures of problem orientation and solution design utilizing logical and numerical procedures. Student development of research projects in selected areas.

0101	Arnaud Trouve	Seats (Total: 41)
	MW 2:00pm - 3:15pm	CHE 2136

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489G **Special Topics; Human Response to Fire**

ENFP489G Special Topics: Human Response to Fire; (3 credits) Grade Method: REG/P-F/AUD.

0101	Erica Kuligowski, James Milke W 5:30pm - 8:00pm	Seats (Total: 28) JMP 3216

ENFP489L **Special Topics; Advanced Suppression Systems**

ENFP489L Special Topics: Advanced Suppression Systems; (3 credits) Grade Method: REG/P-F/AUD.

0101	Andre Marshall TuTh 12:30pm - 1:45pm	Seats (Total: 30) CSS 2428

ENFP489M **Special Topics; Smoke Management**

ENFP489M Special Topics: Smoke Management; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENFP627.

0101	James Milke TuTh 5:00pm - 6:15pm	Seats (Total: 50) CHE 2108

ENFP613 **Human Response to Fire**

ENFP613 Human Response to Fire; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.

0101	Erica Kuligowski, James Milke W 5:30pm - 8:00pm	Seats (Total: 23) JMP 3216

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Arnaud Trouve Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

ENFP620 **Fire Dynamics Laboratory**

ENFP620 Fire Dynamics Laboratory; (3 credits) Grade Method: REG/AUD.
Recommended: ENFP 415. Laboratory experiments are designed to illustrate fire phenomena and test theoretical models. Diffusion flames, ignition and flame spread on solids, liquid pool fires, wood crib fires, fire plumes, compartment fires.

0101	Stanislav Stoliarov Tu 3:30pm - 6:00pm	Seats (Total: 19) JMP 1202

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 Analytical Procedures of Structural Fire Protection; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENFP 312 and ENFP 405. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

EF01	Susan Lamont, Darlene Rini **Meets March 5, 2012 - May 14, 2012** Class time/details on ELMs	Seats (Total: 40) ONLINE

ENFP627 **Smoke Detection and Management**

ENFP627 Smoke Detection and Management; (3 credits) Grade Method: REG. *Prerequisite: ENFP300.* Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids. Also offered as ENFP489M.

0101	James Milke TuTh 5:00pm - 6:15pm	Seats (Total: 50) CHE 2108

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629A **Selected Topics; Advanced Fire Dynamics**

ENFP629A Selected Topics: Advanced Fire Dynamics; (3 credits) Grade Method: REG/AUD.

EF01	Richard Roby, Douglas Carpenter **Meets March 5, 2012 - May 14, 2012** Class time/details on ELMs	Seats (Total: 40) ONLINE

ENFP629L **Selected Topics; Advanced Suppression Systems**

ENFP629L Selected Topics: Advanced Suppression Systems; (3-6 credits) Grade Method: REG/AUD.

0101	Andre Marshall TuTh 12:30pm - 1:45pm	Seats (Total: 18) CSS 2428

ENFP630 **Diffusion Flames and Burning Rate Theory**

ENFP630 Diffusion Flames and Burning Rate Theory; (3 credits) Grade Method: REG/AUD.
Basic principles of diffusion flames for gaseous, liquid, and solid fuels. Droplet burning, B number, jet combustion, boundary layer combustion, generalized methods.

0101	Peter Sunderland	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Spring 2012

ENGL101 **Academic Writing**

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VISIT THE ENGLISH DEPARTMENT WEBSITE
English as a second language classes are listed under UMEI.
ENGL101 Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0101	Timothy Demay	Seats (Total: 20)
	MWF 9:00am - 9:50am	KEY 0120

0102	Susan Pramschufer MWF 9:00am - 9:50am	Seats (Total: 20) KEY 0123
0103	Carolyn Decarlo MWF 9:00am - 9:50am	Seats (Total: 20) KEY 0124
0104	Joshua Lavender MWF 9:00am - 9:50am	Seats (Total: 20) KEY 0125
0201	Kisa Lape MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0123
0202	Adam Pellegrini MWF 10:00am - 10:50am	Seats (Total: 20) SQH 1123
0203	Carolyn Decarlo MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0124
0204	Amy Katzel MWF 10:00am - 10:50am	Seats (Total: 20) SQH 1107
0206	Sarah Pleydell MWF 10:00am - 10:50am	Seats (Total: 14) CCC 1105
0301	Amy Karp MWF 11:00am - 11:50am	Seats (Total: 20) SQH 1107
0302	Adam Pellegrini MWF 11:00am - 11:50am	Seats (Total: 20) SQH 1123
0303	Karl Zuehlke MWF 11:00am - 11:50am	Seats (Total: 20) SQH 1105
0304	Mirona Magearu MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0103
0305	Joseph Hall MWF 11:00am - 11:50am	Seats (Total: 20) SQH 2121
0306	Steven Kleinman MWF 11:00am - 11:50am	Seats (Total: 20) SQH 2122

0401	Adam Binkley MWF 12:00pm - 12:50pm	Seats (Total: 20) SQH 1107
0402	Joseph Hall MWF 12:00pm - 12:50pm	Seats (Total: 20) TWS 0221
0403	Karl Zuehlke MWF 12:00pm - 12:50pm	Seats (Total: 20) SQH 1123
0404	Steven Kleinman MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0120
0405	Douglas Kern MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0123
0406	Shanna Yetman MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0124
0501	Douglas Kern MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0120
0503	Shanna Yetman MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0124
0504	Glenn Hollar MWF 1:00pm - 1:50pm	Seats (Total: 20) SQH 1111
0601	David Brookshire MWF 2:00pm - 2:50pm	Seats (Total: 20) KEY 0125
0602	Glenn Hollar MWF 2:00pm - 2:50pm	Seats (Total: 20) SQH 1105
0604	Jessica Enoch MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0207
1101	Adam Neff TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1107
1102	Shaun Gannon TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 2120

1103	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 2122
1104	Timothy Jerome Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 20) SQH 1105 TWS 0224
1105	Erin Sells TuTh 9:30am - 10:45am	Seats (Total: 20) TLF 1101
1201	Andrew Marsh TuTh 11:00am - 12:15pm	Seats (Total: 20) HBK 0105
1202	Gillian Knoll TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 1101
1203	Timothy Jerome Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) TLF 1103 TWS 0230
1204	Katherine Young TuTh 11:00am - 12:15pm	Seats (Total: 20) SKN 1112
1205	Erin Sells TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1146
1206	Willie Davis TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1164
1207	James Hodapp TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2117
1208	Megan Ronan TuTh 11:00am - 12:15pm	Seats (Total: 20) WDS 1127
1209	Katherine Herman TuTh 11:00am - 12:15pm	Seats (Total: 20) ASY 3221
1301	Megan Ronan TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2120

1302	Dawn Dorland Perry TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2121
1303	Janet Hearn TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2119
1304	Linda Macri Th 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 20) TLF 1101 ONLINE
1305	Thomas Earles TuTh 12:30pm - 1:45pm	Seats (Total: 20) KNI 1103
1306	Willie Davis TuTh 12:30pm - 1:45pm	Seats (Total: 20) LEF 1222
1401	Aditya Desai TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2117
1402	Katherine Herman TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1172
BL01	Lyra Hilliard M 10:00am - 11:15am W 10:00am - 11:15am *This class meets in person once a week; the other class work is done online.*	Seats (Total: 20) ONLINE KNI 1103
BL02	Elizabeth Colson W 11:00am - 12:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done on online.*	Seats (Total: 20) TWS 0224 ONLINE
BL03	Lyra Hilliard M 12:00pm - 1:15pm W 12:00pm - 1:15pm *This class meets in person once a week; the other class work is done on online.*	Seats (Total: 20) ONLINE KNI 1105

BL04	Elizabeth Colson W 1:00pm - 2:15pm Class time/details on ELMs	Seats (Total: 20) TWS 0224 ONLINE
	This class meets in person once a week; the other class work is done on online.	
BL05	Lyra Hilliard M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 20) ONLINE HBK 0123
	This class meets in person once a week; the other class work is done on online.	
BL07	Nabila Hijazi Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 20) EDU 2101 ONLINE
	This class meets in person once a week; the other class work is done on online.	
BL08	Nabila Hijazi Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 20) EDU 0114 ONLINE
	This class meets in person once a week; the other class work is done on online.	
BL09	Kathleen D'Angelo Th 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 20) PLS 1146 ONLINE
	This class meets in person once a week; the other class work is done on online.	
BL10	Kathleen D'Angelo Th 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 20) PLS 1146 ONLINE
	This class meets in person once a week; the other class work is done on online.	

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

1701	Emily Perez TuTh 9:30am - 10:45am	Seats (Total: 15) KEY 0117

1702	Kisa Lape MWF 11:00am - 11:50am	Seats (Total: 15) KEY 0117

ENGL101M **Academic Writing**

ENGL101M Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Restricted to students in the Markets and Society program.

0501	Jocelyn Heath MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0119

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Restricted to College Park Scholars.

0102	Sarah Pleydell MWF 9:00am - 9:50am *Restricted to College Park Scholars.*	Seats (Total: 20) CCC 1105
0206	Sarah Pleydell MWF 10:00am - 10:50am *Restricted to College Park Scholars - Business, Society, Economy, and Public Leadership.*	Seats (Total: 6) CCC 1105
0207	Eric Kozlik MWF 10:00am - 10:50am *Restricted to College Park Scholars - Environment, Technology, Economy, and Global Public Health.*	Seats (Total: 20) CCC 1115
1201	Lindsay Bogner TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Business, Society, Economy and Life Sciences.*	Seats (Total: 20) CCC 1105
1202	Rebekah Cunningham TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Global Public Health and Life Sciences.*	Seats (Total: 20) CCC 1115

1309	Rebekah Cunningham TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1115
	Restricted to College Park Scholars - Public Leadership & Science, Global Change and Life Sciences.	

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors: 1) a minimu m score of 100 on the iBT 2) a minimum score of 7 on the IELTS or 3) successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

2002	William Pittman TuTh 11:00am - 12:15pm	Seats (Total: 18) KEY 0117
2003	William Pittman TuTh 2:00pm - 3:15pm	Seats (Total: 18) SQH 2121
2005	Taylor Adams MWF 10:00am - 10:50am	Seats (Total: 18) KEY 0117

ENGL201 **Inventing Western Literature: Ancient and Medieval Traditions**

ENGL201 Inventing Western Literature: Ancient and Medieval Traditions; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Maggie Ray MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0109

ENGL202 **Inventing Western Literature: Renaissance to Modern**

ENGL202 Inventing Western Literature: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0101	Paul Cote MWF 11:00am - 11:50am	Seats (Total: 35) TWS 0221	
0201	Lewis Gleich TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1103	

ENGL206 **Shakespeare**

ENGL206 Shakespeare; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to students who have completed ENGL205. Credit will be granted for only one of the following: ENGL205, ENGL206, or ENGL289I. Formerly ENGL205.
Shakespeare's poems, history plays, comedies, and tragedies as investigations into language use, governance, sexuality, ethics, and mortality.

0101	Gerard Passannante TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) JMZ 0220 TWS 0234	Discussion
0102	Gerard Passannante TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion
0104	Gerard Passannante TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion
0106	Gerard Passannante TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) JMZ 0220 TWS 0205	Discussion

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	David Brookshire MWF 1:00pm - 1:50pm	Seats (Total: 35) KEY 0116
0201	Kisa Lape MWF 12:00pm - 12:50pm	Seats (Total: 35) KEY 0125

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Jamison Kantor MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0214
0201	Heather McHale TuTh 11:00am - 12:15pm	Seats (Total: 35) ARC 1101
0301	Nancy Stewart TuTh 2:00pm - 3:15pm	Seats (Total: 35) ARC 1105

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0101	Katherine Stanutz TuTh 11:00am - 12:15pm	Seats (Total: 35) ARC 1103

0201	Maura Collinge MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 1112	

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow. Credit will be granted for one of the following: ENGL222 or ENGL289Y.

0101	Peter Mallios MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 22) MMH 1400 KEY 0121	Discussion
0102	Peter Mallios MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) MMH 1400 KEY 0121	Discussion
0103	Peter Mallios MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) MMH 1400 KEY 0121	Discussion
0104	Peter Mallios MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 21) MMH 1400 KEY 0121	Discussion
0105	Peter Mallios MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 21) MMH 1400 TWS 0234	Discussion
0106	Peter Mallios MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 21) MMH 1400 KEY 0121	Discussion
0107	Peter Mallios MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 21) MMH 1400 TWS 1105	Discussion

0108	Peter Mallios MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 21) MMH 1400 KEY 0120	Discussion
0109	Peter Mallios MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 21) MMH 1400 TWS 1107	Discussion

ENGL233 **Introduction to Asian American Literature**

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as AAST233. Not open to students who have completed AAST233 or AAST298L. Credit will be granted for only one of the following: AAST233, AAST298L or ENGL233. A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis W 5:00pm - 7:30pm	Seats (Total: 30) KEY 0103

ENGL234 **African-American Literature and Culture**

ENGL234 African-American Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America. Also offered as AASP298L.

0101	Douglas Kern MWF 10:00am - 10:50am	Seats (Total: 35) KEY 0125
0201	Douglas Kern MWF 11:00am - 11:50am	Seats (Total: 35) KEY 0126
0301	Isis Semaj-Hall TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 2117

0401	Christin Taylor TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1107	
0501	Anna Steed MWF 12:00pm - 12:50pm	Seats (Total: 35) ARC 1105	

ENGL241 **What the Novel Does**

ENGL241 What the Novel Does; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
An exploration of what the novel does that cannot be done by film, by television, by cell-phone screens, by any stream of images, or by textual excerpts pulled up for a quick read. The different ways of the novel, with particular focus on the process of thinking and the developed consciousness. The novel as a machine to think with and an irreplaceable model of complex human thought. Study of how thought is presented in radically different ways in novels that cross lines of class, gender, chronology, and nationality.

0101	John Auchard TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 2119	 Discussion
0102	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 2119	 Discussion
0103	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 1111	 Discussion
0104	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 TWS 0205	 Discussion
0105	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 TWS 0234	 Discussion

0106	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 TWS 0205	Discussion
0107	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 TWS 0201	Discussion
0108	John Auchard TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 TWS 1105	Discussion

ENGL243 **What is Poetry?**

ENGL243 What is Poetry?; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0101	Stanley Plumly MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 EDU 2101	Discussion
0102	Stanley Plumly MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 SQH 2122	Discussion
0103	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 TLF 1101	Discussion
0104	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 EDU 0114	Discussion
0105	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 EDU 0206	Discussion

0106	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 EDU 0114	Discussion
0107	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 EDU 3233	Discussion
0108	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 EDU 1315	Discussion
0109	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 EDU 0206	Discussion
0110	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SQH 1119	Discussion
0111	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 SQH 1103	Discussion
0112	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 SQH 2120	Discussion
0201	Lindsay Bernal TuTh 3:30pm - 4:45pm	Seats (Total: 35) TWS 0205	

ENGL244 **The Play's the Thing**

ENGL244 The Play's the Thing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Gillian Knoll TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 0125	
0201	Sarah Pleydell MWF 1:00pm - 1:50pm	Seats (Total: 35) SQH 1107	

ENGL245 **Film Form and Culture**

ENGL245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Also offered as CMLT245. Not open to students who have completed CMLT214 or CMLT245. Credit will be granted for only one of the following: CMLT214, CMLT245, or ENGL245. Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0301	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 24) TWS 1100 TWS 1100 EDU 1315	 Lab Discussion
0302	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 1100 TWS 1107	 Lab Discussion
0303	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1100 TWS 0234	 Lab Discussion
0304	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 1100 EDU 3233	 Lab Discussion

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Liora Moriel MWF 10:00am - 10:50am	Seats (Total: 30) SQH 1105
0201	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0126
0301	Sarah Sillin TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0234

ENGL262 **The Hebrew Bible: Narrative**

ENGL262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as JWST262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: ENGL262 or JWST262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Matthew Suriano MW 2:00pm - 3:15pm	Seats (Total: 60) SYM 0200

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, and Adrienne Rich.

0101	James Goodwin TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0214
0201	Amy Karp MWF 1:00pm - 1:50pm	Seats (Total: 35) KEY 0125

ENGL269X **Special Topics in Study Abroad II; Theories of Text**
Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

ENGL271 Writing Poems and Stories: An Introductory Workshop; (3 credits)
Grade Method: REG/P-F/AUD.
Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Aditya Desai TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 1123
0201	Shaun Gannon TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 2122
0301	Andrew Marsh TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2120
0401	Anna Rowser MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0236

ENGL272 **Writing Fiction: A Beginning Workshop**

ENGL272 Writing Fiction: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Emily Lyons TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 1107
0201	Kshiti Vaghela TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1123
0301	Allison Wyss MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 1107
0401	LiAnn Yim TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 0117

ENGL273 **Writing Poetry: A Beginning Workshop**

ENGL273 Writing Poetry: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Marian Carpenter TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0117
0201	Ena Djordjevic MW 11:00am - 12:15pm	Seats (Total: 20) TWS 0234

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner	Seats (Total: 20)
	TuTh 9:30am - 10:45am	NCC 0120

ENGL278D **Special Topics in Literature; Drama**
Contact department for information to register for this course.

ENGL278R **Special Topics in Literature; Writing Rome**
Contact department for information to register for this course.

ENGL278T **Literature of Science and Technology**

ENGL278T Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Explores the intersections between science and literature, drawing from both fiction and nonfiction by scientists and artists. Authors may incl ude H.G. Wells, Thomas Pynchon, Carl Sagan, Richard Feynman, Stephen Haw king, and Don DeLillo.

0101	Kyle Garton-Gundling	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	KEY 0125

ENGL278Y **Special Topics in Literature; Italian Literature in Translation**
Contact department for information to register for this course.

ENGL280 **The English Language**

ENGL280 The English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Introduction to the structure of English and its historical development, with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

0101	Cameron Mozafari	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ARC 1105

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Kenton Camper TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 1117	

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Cameron Mozafari TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1105	

ENGL289Z **Culture on the Move: The Literature of Emigration**

ENGL289Z Culture on the Move: The Literature of Emigration; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0102	Jason Rudy MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 3132 ONLINE	 Discussion
0105	Jason Rudy MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 3132 ONLINE	 Discussion

ENGL291 **Intermediate Writing**
Contact department for information to register for this course.

ENGL293 **Writing in the Wireless World**

ENGL293 Writing in the Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Recommended: ENGL101. Credit will be granted for only one of the following: ENGL278Z or ENGL293. Formerly ENGL278Z. A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, anlayze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Maria Gigante TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0224

ENGL294 **Introduction to Creative Writing**
Contact department for information to register for this course.

ENGL295 **Literature in a Wired World**

ENGL295 Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Credit will be granted for only one of the following: ENGL278W or ENGL295. Formerly ENGL278W. Introduction to changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

0101	Mirona Magearu MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 0223
0201	Andrew Black TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0223

ENGL297 **Beginning Poetry Workshop**
Contact department for information to register for this course.

ENGL300 **Writing about Literature**

ENGL300 Writing about Literature; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: ENGL301. For students who want to improve their academic writing skills, focusing in particular on literary analysis, argument, style, clarity and engagement with other points of view. Readings from literary texts in various genres and from critical essays. Especially useful to prepare for upper-level courses in English.

0101	Susan Pramschufer TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 1105

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG.
For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Theresa Coletti MW 11:00am - 12:15pm	Seats (Total: 18) TWS 3136
0201	Jesse Taylor MW 12:30pm - 1:45pm	Seats (Total: 18) TWS 0234
0301	Keguro Macharia MW 2:00pm - 3:15pm	Seats (Total: 18) TWS 0221
0401	Christina Walter TuTh 12:30pm - 1:45pm	Seats (Total: 18) TWS 3252
0501	Elizabeth McClure TuTh 11:00am - 12:15pm	Seats (Total: 18) TWS 0221
0601	Elizabeth McClure TuTh 2:00pm - 3:15pm	Seats (Total: 18) TWS 0234
0701	Christina Walter TuTh 3:30pm - 4:45pm	Seats (Total: 18) TWS 3252

ENGL302 **Medieval Literature in Translation**

ENGL302 Medieval Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1107	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0201	 Discussion
0102	Theodore Leinwand TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion
0103	Theodore Leinwand TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion
0104	Theodore Leinwand TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion

ENGL305 **Shakespeare and His Contemporaries: An Introduction**

ENGL305 Shakespeare and His Contemporaries: An Introduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

0101	Kavita Mudan MW 9:30am - 10:45am	Seats (Total: 35) TWS 0236

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Linda Keyser TuTh 11:00am - 12:15pm	Seats (Total: 35) TWS 1107
0201	Christopher Crane MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 1107

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Joanne Roby TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0221

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

0201	Linda Freeman MW 9:30am - 10:45am	Seats (Total: 35) TWS 0234

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Michelle Koerner MW 12:30pm - 1:45pm	Seats (Total: 35) TWS 1107
0201	Michelle Koerner MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0221

ENGL317 **African American Literature**

ENGL317 African American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Consideration of key texts in African American literature that explore the experiences of people of African descent in America from the mid-nineteenth century to the contemporary moment. Relationship between literary texts, historical events and cultural formations. Examines a range of texts and genres (autobiography, slave narrative, travel narrative, poetry, essays, fiction), and their contribution to national literary tradition.

0101	Edlie Wong MW 12:30pm - 1:45pm	Seats (Total: 35) TWS 0205	

ENGL329A **Special Topics in Film Studies; Cinema of Liberation**

ENGL329A Special Topics in Film Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film.

0101	Eugene Robinson TuTh 12:30pm - 1:45pm Tu 3:30pm - 5:30pm	Seats (Total: 35) TWS 1107 TWS 1100	 Lab
0102	Eugene Robinson TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 35) TWS 0236 TWS 1100	 Lab

ENGL329F **Special Topics in Film Studies; Silent Film**

ENGL329F Special Topics in Film Studies: Silent Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film.

0101	Oliver Gaycken TuTh 11:00am - 12:15pm Tu 3:30pm - 5:30pm	Seats (Total: 35) TWS 0236 KEY 0116	 Lab

ENGL339A **Native American Literature; American Indian Literatures: Tradition, Protest, and Renewal**

ENGL339A Native American Literature: American Indian Literatures: Tradition, Protest, and Renewal; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English classes, at least on in literature; or permission of department. Repeatable to 9 credits if content differs. Study of selected writers or particular themes or genres in Native American literatures.

0101	Ralph Bauer	Seats (Total: 35)
	MW 11:00am - 12:15pm	TWS 1107

ENGL344 **Nineteenth-Century Fiction**

ENGL344 Nineteenth-Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379A in Fall 2005 or Spring 2006.* Major British, American, and other fiction writers of the nineteenth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	James Goodwin	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 1107

ENGL345 **Twentieth Century Poetry**

ENGL345 Twentieth Century Poetry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL445 or ENGL446.* Major British and American poets of the twentieth century.

0101	Kathleen D'Angelo	Seats (Total: 35)
	TuTh 9:30am - 10:45am	EDU 1121

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0201	Ingrid Satelmajer	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 0234

ENGL348P **Literary Works by Women; Women on the Plantation**

ENGL348P Literary Works by Women: Women on the Plantation; (3 credits)
Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	TWS 0234	

ENGL349B **Contemporary Asian American Literature of the 21st Century**

ENGL349B Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST398B.

0101	David Kim	Seats (Total: 25)	
	Th 5:00pm - 7:30pm	JMZ 2123	

ENGL349P **Asian American Literatures; Asian American Poetry and Spoken Word**

ENGL349P Asian American Literatures: Asian American Poetry and Spoken Word; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498X.

0101	Lawrence-Minh Davis	Seats (Total: 25)	
	Th 5:00pm - 7:30pm	ASY 3215	

ENGL359D **Special Topics in Lesbian, Gay,and Bisexual Literatures: Queer Adaptations in Fiction, FIlm, and T.V.**

ENGL359D Special Topics in Lesbian, Gay,and Bisexual Literatures: Queer Adaptations in Fiction, FIlm, and T.V.; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level courses, at least one in literature; or permission of department. Also offered as LGBT359D.

0101	Elizabeth McClure	Seats (Total: 35)	
	TuTh 3:30pm - 4:45pm	TWS 1107	
	Tu 5:30pm - 8:00pm	TWS 1107	Lab

ENGL359F **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

ENGL359F Special Topics in Lesbian, Gay, and Bisexual Literatures: Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT327.

0101	James Goodwin	Seats (Total: 35)
	MW 9:30am - 10:45am	HJP 1125

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0236

ENGL368D **Special Topics in the Literature of Africa and the African Diaspora; African American Folklore in Film and Literature**

ENGL368D Special Topics in the Literature of Africa and the African Diaspora: African American Folklore in Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Comparisons among the literary traditions in Africa, the Caribbean, and North and South America.

0101	Barry Pearson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0201

ENGL369E **Special Topics in Study Abroad III; Science Fiction**
Contact department for information to register for this course.

ENGL369G **Special Topics in Study Abroad III; Adapting Literature to the Screen**
Contact department for information to register for this course.

ENGL369H	**Special Topics in Study Abroad III; London Stage** **Contact department for information to register for this course.**
ENGL369I	**Special Topics in Study Abroad III; Images of Italy in the U.K. and U.S.A.** **Contact department for information to register for this course.**
ENGL369L	**Special Topics in Study Abroad III; Angloamerican Travelers in Spain** **Contact department for information to register for this course.**
ENGL369O	**Special Topics in Study Abroad III; Creative Writing and Place** **Contact department for information to register for this course.**
ENGL369Q	**Special Topics in Study Abroad III; Literature of the Shoah** **Contact department for information to register for this course.**
ENGL369V	**Special Topics in Study Abroad III; Seventeenth-Century Comedy** **Contact department for information to register for this course.**
ENGL369W	**Special Topics in Study Abroad III; Writing for Children** **Contact department for information to register for this course.**
ENGL369X	**Special Topics in Study Abroad III; Literature in Liguria** **Contact department for information to register for this course.**
ENGL369Z	**Special Topics in Study Abroad III; The London Stage** **Contact department for information to register for this course.**
ENGL370	**Junior Honors Conference** **ENGL370** *(PermReq)* **Junior Honors Conference; (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: candidacy for honors in English.* Preparation for writing the senior honors project. 0101 Elizabeth Arnold Seats (Total: 20) Th 3:30pm - 4:30pm TWS 3132

ENGL377 **Medieval Myth and Modern Narrative**

ENGL377 Medieval Myth and Modern Narrative; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL361. Formerly ENGL361. Literary patterns characteristic of medieval myth, epic, and romance; their continuing vitality in modern works; and links between Medieval works like "The Prose Edda", "Beowulf", "The Morte D'Arthur", "The Volsunga Saga", and "Grettis Saga" and modern narratives like Tolkien's "The Lord of the Rings".

0101	Karen Nelson	Seats (Total: 35)	
	MW 9:30am - 10:45am	TWS 0201	

ENGL379C **Literature and Film of the Civil Rights Movement**

ENGL379C Literature and Film of the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Also offered as AASP498C.

0101	Mary Washington	Seats (Total: 35)	
	Tu 3:30pm - 6:00pm	TWS 0234	
	Tu 6:00pm - 7:00pm	TWS 0234	Lab

ENGL379D **Special Topics in Literature; The Modern Adventure Novel: 1912-1959**

ENGL379D Special Topics in Literature: The Modern Adventure Novel: 1912-1959; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Michael Dirda	Seats (Total: 35)	
	MW 11:00am - 12:15pm	TWS 0205	

ENGL379R **Special Topics in Literature; The Jazz Paradigm**

ENGL379R Special Topics in Literature: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498L. Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0236

ENGL379T **Special Topics in Literature; Folklore, Themes and Archetypes in Literature**

ENGL379T Special Topics in Literature: Folklore, Themes and Archetypes in Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Michael Olmert	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0207

ENGL385 **English Semantics**

ENGL385 English Semantics; (3 credits) Grade Method: REG/P-F/AUD.
An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.

0101	Michael Israel	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	KEY 0125

ENGL388A **Writing Internship; Second Life Workshop-African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of the department. Contact Professor Martha Nell Smith, mnsmith@umd.edu

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388M **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

ENGL388M *(PermReq)* **Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as HONR379W.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Jennifer Ashlock, jashlock@umd.edu.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; MITH Internships**

ENGL388T *(PermReq)* **Writing Internship: MITH Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu

0101	Neil Fraistat	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL388V **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

ENGL388V *(PermReq)* **Writing Internship: Undergraduate Teaching Assistants in Writing Programs; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits. Contact Dr. Linda Macri, lmacri@umd.edu.

0101	Linda Macri Th 6:30pm - 7:45pm	Seats (Total: 20) TWS 1105

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact the Writing Center, writadmin@umd.edu.

0101	Leigh Ryan, Heather Lindenman Tu 3:30pm - 6:00pm	Seats (Total: 20) TWS 0207

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

0101	Mary Shea M 9:00am - 9:50am WF 9:00am - 9:50am	Seats (Total: 22) TWS 0214 TWS 0223
0201	Mary Shea M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 22) TWS 0221 TWS 0223

0301	Mary Shea M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 1105 TWS 0223
1101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0119
1201	John Matthews TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0119
1501	Paul Haynos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) KEY 0119 TWS 0223
1505	Paul Haynos Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0201 TWS 0232
SG91	Paul Haynos TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD2 3062
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more information on professional writing courses.

0201	Ann Bracken WF 10:00am - 10:50am M 10:00am - 10:50am	Seats (Total: 22) TWS 1105 TWS 0232
0301	Ann Bracken WF 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 22) TWS 0214 TWS 0232

0401	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1106
0402	Danuta Hinc W 12:00pm - 12:50pm MF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1105 TWS 0224
0501	Timothy Denevi MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 1106
1101	Melanie Faith Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) KEY 0120 TWS 0232
1202	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) KEY 0120 TWS 0232
1301	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) KEY 0119 TWS 0232
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Restricted to students in the University or departmental Honors program. Click here for more information on professional writing courses.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 22) TWS 1106

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more information on professional writing courses.

0101	Robin Earnest W 9:00am - 9:50am MF 9:00am - 9:50am	Seats (Total: 22) TWS 0207 TWS 0224
0201	Robin Earnest W 10:00am - 10:50am MF 10:00am - 10:50am	Seats (Total: 22) KEY 0119 TWS 0224
0301	Robin Earnest W 11:00am - 11:50am MF 11:00am - 11:50am	Seats (Total: 22) KEY 0120 TWS 0224
1101	William Schatz Th 9:30am - 10:45am Tu 9:30am - 10:45am	Seats (Total: 22) KEY 0123 TWS 0224
1201	William Schatz Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 22) KEY 0124 TWS 0224
1301	William Schatz Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 22) KEY 0120 TWS 0224
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more information on professional writing courses.

0201	Danuta Hinc F 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 22) TWS 0236 TWS 0230
0202	Robert Schubert M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 22) KEY 0120 TWS 0232
0301	Danuta Hinc F 11:00am - 11:50am MW 11:00am - 11:50am	Seats (Total: 22) TWS 0236 TWS 0230
0302	Joan Mooney MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0124
0401	Robert Schubert M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0236 TWS 0232
0501	Joan Mooney MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0236
0601	Zahara Heckscher W 2:00pm - 3:15pm M 2:00pm - 3:15pm	Seats (Total: 22) KEY 0123 TWS 0224
0701	Zahara Heckscher W 3:30pm - 4:45pm M 3:30pm - 4:45pm	Seats (Total: 22) TWS 0234 TWS 0224
0702	Richie Crider MW 3:30pm - 4:45pm	Seats (Total: 22) ARC 1101
0801	Richie Crider MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0205

0802	Candace Orsetti MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0207
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0214
1201	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0103
1202	Connie Inukai Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 22) SQH 2121 TWS 0230
1301	Connie Inukai Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 22) KEY 0123 TWS 0230
1501	Daniel Saalfeld Th 3:30pm - 4:45pm Tu 3:30pm - 4:45pm	Seats (Total: 22) TLF 1101 TWS 0230
1505	Daniel Saalfeld Th 5:00pm - 6:15pm Tu 5:00pm - 6:15pm	Seats (Total: 22) TWS 0234 TWS 0230
1601	Alexandra Calloway M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1602	Zein El-Amine M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0214
1701	Janet Novotny Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1702	Rebecca Ritzel Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0201
1801	Zein El-Amine W 6:30pm - 9:10pm	Seats (Total: 22) ASY 3215

1802	Amanda Olson W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0223
1803	Ann Mason W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0201
1901	Rebecca Ritzel Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0214
1902	Amanda Olson Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
BL01	Phillip Moses Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) ONLINE KEY 0124
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL02	Phillip Moses Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) ONLINE KEY 0124
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL03	Phillip Moses Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) ONLINE KEY 0120
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL04	Michelle Von Euw Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) ONLINE KEY 0120
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

BL05	Michelle Von Euw Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) ONLINE TWS 0205
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL06	Phillip Moses Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 22) ONLINE TWS 1106
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Restricted to students in the University or departmental Honors proram. Click here for more information on professional writing courses.

1401	Katherine Izsak Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 22) KEY 0119 TWS 0224

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Restricted to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more information on professional writing courses.

1401	Daniel Saalfeld Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 22) KEY 0123 TWS 0230

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more information on professional writing courses.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0205
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0205
0202	Karen Angeline MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0207
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0123
0302	Ceil Goldberg M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 1106 TWS 0232
0401	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0214
0402	Donald McNeilly MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0119
0501	Ceil Goldberg M 1:00pm - 1:50pm WF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0221 TWS 0232
0502	Donald McNeilly MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0214
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) KEY 0120 TWS 0232

0602	Edward Helfers MW 2:00pm - 3:15pm	Seats (Total: 22) KEY 0119
0701	Ellen Blumner M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) KEY 0120 TWS 0232
0702	Edward Helfers MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0119
0801	Ellen Blumner M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 0214 TWS 0232
1102	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0121
1103	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 1106
1202	Rosalia Saklas TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 1106
1302	Clare Parsons TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0121
1303	Frederick Bolton TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 1106
1401	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) KEY 0124 TWS 0224
1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119
1502	James Mattson TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 1106
1503	Shayna Maskell TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0214

1505	James Mattson TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0214
1506	Shayna Maskell TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0221
1601	Elizabeth Fixsen M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1801	Ellen Blumner W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
SG91	Katherine Wilson TuTh 8:00am - 9:15am	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Katherine Wilson TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Robinson TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 3206
	Restricted to BMGT-Shady Grove students excluding students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Katherine Wilson TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Adam Lloyd TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG98	Katherine Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 22) Location: TBA
	This section is restrcited to COMM students enrolled at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more information on professional writing courses.

0201	Barbara Berman MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0116
0601	Candice Shaifer MW 2:00pm - 3:15pm	Seats (Total: 22) KEY 0124
0701	Candice Shaifer MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0236
1001	Daniel Pendick Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 22) TWS 0207 TWS 0232
1002	Rachel Box TuTh 8:00am - 9:15am	Seats (Total: 22) ARM 0121
1101	Rachel Box TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0121
1201	Scott Wible Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) KEY 0121 TWS 0224
1401	Walter Knorr Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) KEY 0121 TWS 0230

1601	Christopher Crane M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0207
1701	Joseph Wappel Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
SG91	Joseph Wappel TuTh 12:30pm - 1:45pm *Registration is restricted to Public Health-Shady Grove majors.*	Seats (Total: 22) BLD3 3226

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.
Click here for more course information.
ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of A- in ENGL294 or ENGL296, or permission of department.
Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Alison Hennessee MW 11:00am - 12:15pm	Seats (Total: 15) TWS 3134
0201	Jacqueline Kautzer TuTh 5:00pm - 6:15pm	Seats (Total: 15) TWS 3248
0301	Thomas Earles TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 3248

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of A- in ENGL294 or ENGL297, or permission of department.
Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format. Click here for more course information.

0101	Donald Berger TuTh 11:00am - 12:15pm	Seats (Total: 15) TWS 1105

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more information on professional writing courses.

1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 0201
1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0205
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1123

ENGL398C **Topics in Professional Writing; Writing Case Studies and Investigative Reports**

ENGL398C Topics in Professional Writing: Writing Case Studies and Investigative Reports; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0601	Joshua Buursma MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 1106
0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 1106
0801	Joshua Buursma MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 1106
SG91	Joseph Wappel TuTh 9:30am - 10:45am *Registration is restricted to CCJS-Shady Grove students.*	Seats (Total: 22) BLD3 4212

SG92	Joseph Wappel TuTh 11:00am - 12:15pm *Registration is restricted to CCJS-Shady Grove students.*	Seats (Total: 22) BLD3 4212

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0801	Michael Winett W 5:00pm - 6:15pm M 5:00pm - 6:15pm	Seats (Total: 22) TWS 1105 TWS 0224

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
P:60 credits and completion of ENGL101 oe. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0207

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0301	John Mancini MWF 11:00am - 11:50am	Seats (Total: 22) ARM 0110
0401	John Mancini MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0207

0501	John Mancini MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0207
1301	Rebecca Holden Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 22) TWS 1105 TWS 0232
1401	Rebecca Holden Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 22) TWS 1105 TWS 0232

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

1001	Pamela Gerhardt Th 8:00am - 9:15am Tu 8:00am - 9:15am	Seats (Total: 22) TWS 1105 TWS 0232
1101	Pamela Gerhardt Th 9:30am - 10:45am Tu 9:30am - 10:45am	Seats (Total: 22) TWS 1105 TWS 0232
1201	Pamela Gerhardt Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 22) KEY 0123 TWS 0232

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0601	Ann Mason MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 1105

0701	Ann Mason MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 1105
0801	Ann Mason MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0201

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Kavita Mudan MW 11:00am - 12:15pm	Seats (Total: 30) TWS 0201

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Theodore Leinwand TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0207

ENGL408A **Literature by Women Before 1800; Medieval Women Writers**

ENGL408A Literature by Women Before 1800: Medieval Women Writers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Repeatable to 9 credits if content differs. Also offered as WMST408A. Credit will be granted for only one of the following: ENGL408A or WMST408A. Selected writings by women in the medieval and early modern era.

0101	Theresa Coletti MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0205

ENGL409A **Study Abroad Special Topics IV; Postcolonialism: Region and Nation**
Contact department for information to register for this course.

ENGL409B **Study Abroad Special Topics IV; Eighteent-Century Poetry**
Contact department for information to register for this course.

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**
Contact department for information to register for this course.

ENGL409D **Study Abroad Special Topics IV; Gothic Fiction**
Contact department for information to register for this course.

ENGL409E **Study Abroad Special Topics IV; Modern Irish Literature**
Contact department for information to register for this course.

ENGL409F **Study Abroad Special Topics IV; Romantic Poetry**
Contact department for information to register for this course.

ENGL409G **Study Abroad Special Topics IV; Literary Criticism: History and Context**
Contact department for information to register for this course.

ENGL409J **Study Abroad Special Topics IV; Modernism and Modernity**
Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**
Contact department for information to register for this course.

ENGL420 **English Romantic Literature**

ENGL420 English Romantic Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two English courses in literature; or permission of department.* British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 0201

ENGL428X **Seminar in Language and Literature; Ulysses**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Ulysses; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Brian Richardson MW 3:30pm - 4:45pm	Seats (Total: 20) TWS 0205

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

ENGL431 American Literature: 1810 to 1865, the American Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Robert Levine MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 0207

ENGL432 **American Literature: 1865 to 1914, Realism and Naturalism**

ENGL432 American Literature: 1865 to 1914, Realism and Naturalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Reconstruction, Realism, Naturalism. Representative writers such as Dickinson, James, Dreiser.

0101	John Auchard	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 0201

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	Peter Mallios	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0201

ENGL435 **American Poetry: Beginning to the Present**
Contact department for information to register for this course.

ENGL437 **Contemporary American Literature**

ENGL437 Contemporary American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Randy Ontiveros	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 0221

ENGL439F **Major American Writers after 1865; Faulkner and His Literary Heirs**

ENGL439F Major American Writers after 1865: Faulkner and His Literary Heirs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Repeatable to 9 credits if content differs. Two writers studied intensively each semester.

0101	David Wyatt TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0207

ENGL446 **Post-Modern British and American Poetry**
Contact department for information to register for this course.

ENGL448A **Literature by Women of Color; Caribbean Literature by Women**

ENGL448A Literature by Women of Color: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Merle Collins TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0207

ENGL452 **English Drama From 1660 to 1800**

ENGL452 English Drama From 1660 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

0101	Laura Rosenthal MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0214

ENGL453 **Literary Theory**

ENGL453 Literary Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two literature courses. An in-depth study of literary and critical theory.

0101	Orrin Wang TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 0214

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

0101	Michael Olmert	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 0214

ENGL455 **The Eighteenth-Century English Novel**

ENGL455 The Eighteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The origins and development of the British novel, from the late seventeenth century until the beginning of the nineteenth. Questions about what novels were, who wrote them, and who read them. Authors such as Behn, Defoe, Richardson, Fielding, Sterne, Smollett, Burney, Radcliffe, and Austen.

0101	Tita Chico	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0214

ENGL456 **The Nineteenth-Century English Novel**

ENGL456 The Nineteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

0101	Carla Peterson	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 1106

ENGL459Z **Selected Topics in Sexuality and Literature; Literature By Women After 1800**
Contact department for information to register for this course.

ENGL462 **Folksong and Ballad**

ENGL462 Folksong and Ballad; (3 credits) Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TWS 0221	

ENGL467 **Computer and Text**

ENGL467 Computer and Text; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One English course in literature or permission of department. Examines electronic literature and other aspects of digital textuality. Topics may include interactive fiction, hypertext, image and sound works, literary games and simulations. Emphasis on critical and theoretical approaches rather than design or programming.

0101	Melanie Kill	Seats (Total: 30)	
	Tu 2:00pm - 3:15pm	TWS 0223	
	Th 2:00pm - 3:15pm	TWS 0221	

ENGL468C **Selected Topics in Film Studies; Animation**

ENGL468C Selected Topics in Film Studies: Animation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One college-level English course in literature and at least one college-level film course, or permission of department. Recommended: ENGL245, ENGL329, CMLT214, CMLT280. Repeatable to 9 credits if content differs. Advanced studies in various periods and genres of film.

0101	Oliver Gaycken	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TWS 0205	
	Th 3:30pm - 5:30pm	TWS 0207	Lab

ENGL471 **African-American Literature: 1910-1945**

ENGL471 African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures.

0101	Keguro Macharia	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 3252

ENGL478C **Selected Topics in English and American Literature before 1800; Early Modern British Literature and Political Crises**

ENGL478C Selected Topics in English and American Literature before 1800: Early Modern British Literature and Political Crises; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable if content differs.

0101	Jane Donawerth	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 0201

ENGL478E **Selected Topics in English and American Literature before 1800; The Story of Troy: An Ancient Tale Told and Retold**

ENGL478E Selected Topics in English and American Literature before 1800: The Story of Troy: An Ancient Tale Told and Retold; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable if content differs.

0101	Linda Coleman	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TWS 0201

ENGL479A **Selected Topics in English and American Literature after 1800; African American Traditions: Poetry as History**

ENGL479A Selected Topics in English and American Literature after 1800: African American Traditions: Poetry as History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Repeatable if content differs.

0101	Mary Washington	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 0205

ENGL479T **Selected Topics in English and American Literature after 1800; Modern Hebrew Literature in Translation**

ENGL479T Selected Topics in English and American Literature after 1800: Modern Hebrew Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498T, HEBR498L, ISRL449L, and JWST429L. What issues populated Hebrew literature written before the establishment of the State of Israel, and what issues emerged in the literature written after the establishment of the State? In this class we will consider Hebrew literature as seperate from Israeli literature, authored from the turn of the twentieth century until the present moment.

0101	Sheila Jelen	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	TWS 3134

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENGL487 or COMM401. Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Vessela Valiavitcharska	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 0201

ENGL488B **Topics in Advanced Writing; Writing for the Blogosphere: Prehistory, Theory, Practice**

ENGL488B Topics in Advanced Writing: Writing for the Blogosphere: Prehistory, Theory, Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marilee Lindemann MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 3132

ENGL488F **Topics in Advanced Writing; Visual Rhetoric**

ENGL488F Topics in Advanced Writing: Visual Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.

0101	Vessela Valiavitcharska TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0234

ENGL488X **Topics in Advanced Writing; The Spice of Life: Writing about Food**
Contact department for information to register for this course.

ENGL488Y **Topics in Advanced Writing; Travel Writing**
Contact department for information to register for this course.

ENGL489P **Special Topics in English Language; Language and Politics**

ENGL489P Special Topics in English Language: Language and Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Linda Coleman MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 0201

ENGL489R **Special Topics in English Language; Rhetoric of Grammar**

ENGL489R Special Topics in English Language: Rhetoric of Grammar; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Israel TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0205

ENGL493 **Advanced Expository Writing**

ENGL493 Advanced Expository Writing; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: satisfactory completion of professional writing requirement.* Writing processes and documents most necessary for professional writers.

0101	Melanie Kill TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0232

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop; Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop: Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL 396 or permission of department. Click here for more course information.

0101	Howard Norman Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250
0201	Willie Davis W 3:30pm - 6:00pm	Seats (Total: 15) KEY 0117

ENGL499 **Advanced Poetry Workshop; Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop: Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL397 or permission of department. Click here for more course information.

0101	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3132

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 *(PermReq)* **Critical Theory and Literary Criticism; (3 credits)** Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Orrin Wang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Required for graduate assistants (optional to other graduate students). Prerequisite: permission of department. A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Jessica Enoch	Seats (Total: 18)
	M 3:30pm - 6:00pm	TWS 3132

ENGL631 **Readings in 20th Century American Literature**

ENGL631 *(PermReq)* **Readings in 20th Century American Literature; (3 credits)** Grade Method: REG/AUD.

0101	David Wyatt	Seats (Total: 16)
	Tu 3:30pm - 6:00pm	TWS 3132

ENGL649A **Special Topics in Rhetoric, Composition, and Literacy; Composing Women**

ENGL649A *(PermReq)* **Special Topics in Rhetoric, Composition, and Literacy: Composing Women; (3 credits)** Grade Method: REG/AUD.

0101	Shirley Logan	Seats (Total: 16)
	Th 6:30pm - 9:00pm	TWS 3132

ENGL668C **Readings in Modern Literary Theory; Posthumanism and the Ends of Nature**

ENGL668C *(PermReq)* **Readings in Modern Literary Theory: Posthumanism and the Ends of Nature; (3 credits)** Grade Method: REG/AUD.

0101	Jesse Taylor M 3:30pm - 6:00pm	Seats (Total: 16) TWS 3250

ENGL688 **Poetry Workshop; Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop: Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252
0201	Joshua Weiner W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134

ENGL689 **Fiction Workshop; Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop: Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	Gerald Gabriel W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3136

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL729C **Seminar in Eighteenth-Century Literature; Cosmopolitanism in Theory and Practice**

ENGL729C *(PermReq)* **Seminar in Eighteenth-Century Literature: Cosmopolitanism in Theory and Practice; (3 credits)** Grade Method: REG/AUD.

0101	Laura Rosenthal W 6:30pm - 9:00pm	Seats (Total: 11) TWS 3134

ENGL738T **Seminar in Nineteenth-Century Literature; Technoromanticism**

ENGL738T *(PermReq)* **Seminar in Nineteenth-Century Literature: Technoromanticism; (3 credits)** Grade Method: REG/AUD.

0101	Neil Fraistat Th 3:30pm - 6:00pm	Seats (Total: 11) TWS 3134

ENGL748A **Seminar in American Literature; The 60s and After in American Literature**

ENGL748A *(PermReq)* **Seminar in American Literature: The 60s and After in American Literature; (3 credits)** Grade Method: REG/AUD.

0101	Randy Ontiveros Tu 6:30pm - 9:00pm	Seats (Total: 11) TWS 3248

ENGL748B **Seminar in American Literature; Black Atlantic Theory, Circulation, and Print**

ENGL748B *(PermReq)* **Seminar in American Literature: Black Atlantic Theory, Circulation, and Print; (3 credits)** Grade Method: REG/AUD.

0101	Edlie Wong W 3:30pm - 6:00pm	Seats (Total: 11) TWS 3248

ENGL749D **Studies in Twentieth-Century Literature; Ulysses**

ENGL749D *(PermReq)* **Studies in Twentieth-Century Literature: Ulysses; (3 credits)** Grade Method: REG/AUD.

0101	Brian Richardson M 6:30pm - 9:00pm	Seats (Total: 11) TWS 3248

ENGL788A **Studies in Poetic Form; Mind over Matter: Acts of Knowing and the Actions of Poetry**

ENGL788A *(PermReq)* **Studies in Poetic Form: Mind over Matter: Acts of Knowing and the Actions of Poetry; (3 credits)** Grade Method: REG/AUD.

0101	Joshua Weiner Tu 3:30pm - 6:00pm	Seats (Total: 8) TWS 3136
0201	Gerard Passannante Tu 3:30pm - 6:00pm	Seats (Total: 8) TWS 3136

ENGL789 **Form and Theory in Fiction**

ENGL789 *(PermReq)* **Form and Theory in Fiction; (3 credits)** Grade Method: REG/AUD.

0101	Howard Norman Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	William Cohen TBA	Seats (Total: 15) TWS 3132

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL809 **Academic Publishing Workshop**

ENGL809 *(PermReq)* **Academic Publishing Worksop; (1-2 credits)** Grade Method: S-F.

0101	Jonathan Auerbach Contact instructor or department for details.	Seats (Total: 12)

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

ENGL879 *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Spring 2012

ENMA289A **Bigger, Faster, Better: The Quest for Absolute Technology**

ENMA289A Bigger, Faster, Better: The Quest for Absolute Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Gottlieb Oehrlein	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	F 11:00am - 11:50am	EGR 1108	Discussion

0102	Gottlieb Oehrlein TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) KEB 1110 EGR 1108	Discussion

ENMA300 **Introduction to Materials Engineering**

ENMA300 Introduction to Materials Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Also offered as ENME382. Credit will be granted for only one of the following: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Sreeramamurthy Ankem MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 32) MCB 1207 KEB 1135	Lab
0102	Sreeramamurthy Ankem MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 33) MCB 1207 KEB 1135	Lab
0201	Isabel Lloyd MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 32) SYM 0200 KEB 1135	Lab
0202	Isabel Lloyd MWF 9:00am - 9:50am W 3:00pm - 3:50pm	Seats (Total: 33) SYM 0200 KEB 1135	Lab
0301	Aristos Christou TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 33) SPH 1301 KEB 1135	Lab
0302	Aristos Christou TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 33) SPH 1301 KEB 1135	Lab

ENMA301 **Materials for Emerging Technologies**

ENMA301 *(PermReq)* **Materials for Emerging Technologies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 and permission of department. Five topical areas will be presented, each leading up to specific applications that have recently come to market or are currently experiencing heavy research and development. The goal of each module will be to introduce the basic materials science principles necessary to understand these new areas.

0101	Oded Rabin	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	CHE 2136	

ENMA311 **Materials Laboratory II: Electromagnetic Properties**

ENMA311 Materials Laboratory II: Electromagnetic Properties; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENMA310 and ENMA460. Junior standing. Characterization of the electromagnetic properties of materials. Laboratories will include measurements of electrical and transport properties, index of refraction, and magnetic properties.

0101	Luz Martinez-Miranda	Seats (Total: 15)	
	Tu 8:00am - 9:15am	CHE 2136	
	M 9:00am - 11:50am	KEB 1135	Lab
0102	Luz Martinez-Miranda	Seats (Total: 15)	
	Tu 8:00am - 9:15am	CHE 2136	
	W 9:00am - 11:50am	KEB 1135	Lab

ENMA421 **Design of Composites**

ENMA421 *(PermReq)* **Design of Composites; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA421 or ENMA489A. Formerly ENMA489A. Fundamentals of design, processing and selection composite materials for structural applications will be covered. The topics include a review of all classes of materials, an in-depth analysis of micro and macro mechanical behavior including interactions at the two-phase interfaces, modeling of composite morphologies for optimal microstructures, material aspects, cost considerations, processing methods including consideration of chemical reactions and stability of the interfaces, and materials selection considerations.

0101	Sreeramamurthy Ankem MW 3:30pm - 4:45pm	Seats (Total: 15) CHE 2145

ENMA425 **Introduction to Biomaterials**

ENMA425 Introduction to Biomaterials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Recommended: ENMA300. Also offered as BIOE453. Credit will be granted for only one of the following: BIOE453, ENMA489W or ENMA425. Formerly ENMA489W.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 85) KEB 1110

ENMA426 **Reliability of Materials**

ENMA426 *(PermReq)* **Reliability of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA426 or ENMA489R. Formerly ENMA489R. Students are taught the basic degradation mechanisms of materials, through the understanding of the physics, chemistry, mechanics of such mechanisms. Mechanical failure mechanisms concentrate on fatigue, and creep. Chemical failure mechanisms emphasize corrosion and oxidation. Physical mechanisms such as diffusion, electromigration, defects and defect migration, surface trapping mechanisms, charge creation and migration are also included.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 2116

ENMA445 **Liquid Crystals and Structured Soft Materials**

ENMA445 Liquid Crystals and Structured Soft Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270, PHYS271, and permission of department. Credit will be granted for only one of the following: ENMA445 or ENMA489L. Formerly ENMA489L. Elective course on the properties and behavior of liquid crystals and related soft materials, and their relationship to biomaterials and to applications.

0101	Luz Martinez-Miranda	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 1110

ENMA461 **Thermodynamics of Materials**

ENMA461 *(PermReq)* **Thermodynamics of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

0101	Timothy Foecke	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	EGR 3102

ENMA465 **Microprocessing Materials**

ENMA465 *(PermReq)* **Microprocessing Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 and permission of department. Also offered as ENMA489B. Credit will be granted for only one of the following: ENMA363, ENMA489B, or ENMA465. Formerly ENMA363. Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

0101	Gary Rubloff	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 2116

ENMA481 **Introduction to Electronic and Optical Materials**

ENMA481 Introduction to Electronic and Optical Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 or equivalent. Electronic, optical and magnetic properties of materials. Emphasis on materials for advanced optoelectronic and magnetic devices and the relationship between properties and the processing/fabrication conditions.

0101	Ichiro Takeuchi	Seats (Total: 20)
	MW 5:00pm - 6:15pm	CHE 2145

ENMA482 **Introduction to Electron Microscopy**

ENMA482 Introduction to Electron Microscopy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS122, PHYS142 or PHYS260. Credit will be granted for only one of the following: ENMA482 or ENMA489J. Formerly ENMA489J. An introduction of the basic principles of operation for modern electron microscopes. Details will be given on the construction of microscopes, their basic operation, and the types of questions that can be addressed with an electron microscope. Emphasis will be placed on a conceptual understanding of the underlying theories. Where appropriate, mathematical descriptions will be utilized. Upon completion of this course, students will be excepted to have a basic understanding sufficient to give interpretations of microscopy images and to suggest the correct tool or approach for certain research studies.

0101	John Cumings	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 3106

ENMA489 **Selected Topics in Engineering Materials**

ENMA489 Selected Topics in Engineering Materials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Manfred Wuttig	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA490 **Materials Design**

ENMA490 Materials Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

0101	Raymond Phaneuf	Seats (Total: 15)
	MW 12:00pm - 2:50pm	CHE 2140

ENMA499 **Senior Laboratory Project**

ENMA499 *(PermReq)* **Senior Laboratory Project; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Briber	Seats (Total: 10)
	Contact instructor or department for details.	

ENMA620 **Polymer Physics**

ENMA620 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 470 and ENMA 471 or permission of instructor. The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 1102

ENMA621 **Advanced Design Composite Materials**

ENMA621 Advanced Design Composite Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA621 or ENMA698A. Formerly ENMA698A. Fundamentals of design, processing, and selection of composite materials for structural applications are covered. The topics include a review of all classes of engineering materials, an in-depth analysis of micro and macro mechanical behavior including interactions at the two-phase interfaces, modeling of composite morphologies for optimal microstructures, material aspects, cost considerations, processing methods- including consideration of chemical reactions, stability of the interfaces and material selection.

0101	Sreeramamurthy Ankem	Seats (Total: 10)
	MW 3:30pm - 4:45pm	CHE 2145

ENMA625 **Biomaterials**

ENMA625 Biomaterials; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA425, ENMA698I, BIOE698I, or ENBE453. Formerly ENMA698I. Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	KEB 1110

ENMA645 **Advanced Liquid Crystals and Other Monomeric Soft Matter Materials**

ENMA645 Advanced Liquid Crystals and Other Monomeric Soft Matter Materials; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENMA645 or ENMA698D. Formerly ENMA698D. Elective course on the properties and behavior of liquid crystal and related soft materials, and their relationship to biomaterials and applications.

0101	Luz Martinez-Miranda	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	EGR 1110

ENMA661 **Kinetics of Reactions in Materials**

ENMA661 Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 660. The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

0101	Manfred Wuttig	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 3102

ENMA671 **Defects in Materials**

ENMA671 *(PermReq)* **Defects in Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

0101	Lourdes Salamanca-Riba	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 1102

ENMA682 **Electron Microscopy for Research**

ENMA682 Electron Microscopy for Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA682 or ENMA698J. Formerly ENMA698J. An overview of the basic principles of operation for modern electron microscopes and how they are used in modern research. Details will be given on the construction of microscopes, their basic operation, and the types of questions that can be addressed with an electron microscope. Emphasis will be placed on a conceptual understanding of the underlying theories, and how to apply these to real-world research problems. Independent study into a specific area of electron microscopy will contribute to a term paper. Upon completion of this course, student will be expected to have a basic understanding sufficient to give interpretations of microscopy images and to suggest the correct tool or approach for certain research studies.

0101	John Cumings TuTh 9:30am - 10:45am	Seats (Total: 15) EGR 3106

ENMA683 **Structural Determination Laboratory**

ENMA683 Structural Determination Laboratory; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698L or ENMA683. Formerly ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Wen-An Chiou W 9:00am - 11:00am	Seats (Total: 6) KEB 1237

ENMA685 **Advanced Electrical and Optical Materials**

ENMA685 Advanced Electrical and Optical Materials; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENMA685 or ENMA698F. Formerly ENMA698F. Students become familiar with basic and state of the art knowledge of some technologically relevent topics in materials engineering and applied physics, including dielectric/ferroelectric materials, magnetic materials, superconductors, multiferroic materials and optical materials with an underlying emphasis on the thin film and device fabrication technology. Fundamental physical properties and descriptions of different materials and their applications are included. Discussion will include new developments in the fields.

0101	Ichiro Takeuchi MW 5:00pm - 6:15pm	Seats (Total: 5) EGR 0309

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Gottlieb Oehrlein, Lourdes Salamanca-Riba F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2110

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Manfred Wuttig Contact instructor or department for details.	Seats (Total: 5)

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Spring 2012

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio Th 12:30pm - 1:30pm	Seats (Total: 45) EGR 1108	

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Christopher Chabalko MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0102	Christopher Chabalko MW 12:00pm - 12:50pm Tu 3:30pm - 5:20pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0103	Christopher Chabalko MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0104	Christopher Chabalko MW 12:00pm - 12:50pm W 3:30pm - 5:20pm	Seats (Total: 30) EGR 1202 EGR 0312	 Lab

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME232 and ENES221. Also offered as BIOE331. Credit will be granted for only one of the following: BIOE331 or ENME331. Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Marino diMarzo, James Duncan MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 35) BPS 1243 KEB 1200	Lab
0102	James Duncan, Marino diMarzo MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 35) BPS 1243 JMP 1202	Lab
0103	Marino diMarzo, James Duncan MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 35) BPS 1243 MTH 0405	Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Tien-Mo Shih, Bao Yang MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 ARM 0119	Lab
0102	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 MTH 0201	Lab
0103	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 ARM 0119	Lab
0104	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am M 1:00pm - 2:50pm	Seats (Total: 38) EGR 1202 JMP 1202	Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Donald Barker MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0102	Donald Barker MW 8:00am - 8:50am Tu 3:30pm - 5:20pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0103	Donald Barker MW 8:00am - 8:50am W 3:30pm - 5:20pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0104	Donald Barker MW 8:00am - 8:50am F 10:00am - 11:50am	Seats (Total: 24) CHE 2110 EGR 0126	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Don DeVoe, Elisabeth Smela MW 10:00am - 10:50am M 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

0102	Don DeVoe, Elisabeth Smela MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0103	Don DeVoe, Elisabeth Smela MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0104	Elisabeth Smela, Don DeVoe MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0105	Don DeVoe, Elisabeth Smela MW 10:00am - 10:50am Th 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0106	Elisabeth Smela, Don DeVoe MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Miao Yu, Vincent Nguyen TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201	
0301	Miao Yu, Vincent Nguyen TuTh 9:30am - 10:45am	Seats (Total: 50) EGR 2107	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0201	Chandrasekhar Thamire MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0202	Chandrasekhar Thamire MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0203	Chandrasekhar Thamire MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0204	Chandrasekhar Thamire MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0205	Chandrasekhar Thamire MW 11:00am - 11:50am Th 7:00pm - 8:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

ENME382 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Also offered as ENMA300. Credit will be granted for only one of the following: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Sreeramamurthy Ankem MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 32) MCB 1207 KEB 1135	 Lab
0102	Sreeramamurthy Ankem MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 33) MCB 1207 KEB 1135	 Lab
0201	Isabel Lloyd MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 32) SYM 0200 KEB 1135	 Lab
0202	Isabel Lloyd MWF 9:00am - 9:50am W 3:00pm - 3:50pm	Seats (Total: 33) SYM 0200 KEB 1135	 Lab
0301	Aristos Christou TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 33) SPH 1301 KEB 1135	 Lab
0302	Aristos Christou TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 33) SPH 1301 KEB 1135	 Lab

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

0101	Michel Cukier TuTh 11:00am - 12:15pm	Seats (Total: 105) BPS 1243	

ENME408 **Selected Topics in Engineering Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz MW 5:00pm - 6:15pm	Seats (Total: 30) JMP 2202

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME431 **Nuclear Reactor Systems and Safety**

ENME431 *(PermReq)* **Nuclear Reactor Systems and Safety; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME430 and MATH246; and permission of department. Also offered as ENNU465. Credit will be granted for only one of the following: ENNU465 and ENME431. Engineering, material and thermal aspects of light water reactors, fast reactors, high temperature gas reactors, heavy water moderated reactors, breeder reactors, advanced reactors including GEN IV designs. Evolution of light water reactor safety and regulation in the US that has culminated in the current body of regulations.

0101	Robert Sanders MW 2:00pm - 3:15pm	Seats (Total: 20) EGR 2103
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME461 **Control Systems Laboratory**

ENME461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351, ENME361, and permission of department. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Formerly ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 14) ANS 0408 KEB 3209	 Lab

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Sarah Bergbreiter MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 42) CHE 2108 KEB 2111	 Discussion

0102	Sarah Bergbreiter MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 42) CHE 2108 KEB 2111	Discussion

ENME470 **Finite Element Analysis**

ENME470 *(PermReq)* **Finite Element Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
senior standing and permission of department. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	George Dieter, Vincent Nguyen, Jaydev Desai TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion
0102	Jaydev Desai, Vincent Nguyen, George Dieter TuTh 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion
0103	Vincent Nguyen, Jaydev Desai, George Dieter TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion

0104	Vincent Nguyen, George Dieter, Jaydev Desai TuTh 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion

ENME474 **Design in Electronic Product Development**

ENME474 Design in Electronic Product Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENME473. Merges technology, analysis, and design concepts into a single focused activity that results in the completed design of an electronic product. A set of product requirements are obtained from an industry partner, the students create a specification for the product, iterate the specification with the industry partner, then design and analyze the product. Students will get hands-on experience using real design implementation tools for requirements capture, tradeoff analysis, scheduling, physical design and verification. Issues associated with transferring of the design to manufacturing and selection of manufacturing facilities will also be addressed.

0101	Donald Barker MW 2:00pm - 3:15pm	Seats (Total: 25) CSI 3117

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489B **Special Topics in Mechanical Engineering; Six Sigma Strategy and Methods**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Six Sigma Strategy and Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME392 or STAT400 or permission of instructor.

0101	David Bigio	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 0110

ENME489D **Special Topics in Mechanical Engineering; Flight Dynamics and Simulation**
Contact department for information to register for this course.

ENME489E **Special Topics in Mechanical Engineering; Design for Sustainability**

ENME489E *(PermReq)* **Special Topics in Mechanical Engineering: Design for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Senthil Arul	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	CHE 2118

ENME489I **Special Topics in Mechanical Engineering; Computational Dynamics**

ENME489I *(PermReq)* **Special Topics in Mechanical Engineering: Computational Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME271, ENME331, and permission of department.

0101	B Balachandran, Christopher Chabalko	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 0135

ENME489K **Special Topics in Mechanical Engineering; Renewable Energy**

ENME489K *(PermReq)* **Special Topics in Mechanical Engineering: Renewable Energy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENME331.

0101	Michael Ohadi	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CHE 2118

ENME489M **Special Topics in Mechanical Engineering; Ultra-low Energy Use Applicance Design**

ENME489M *(PermReq)* **Special Topics in Mechanical Engineering: Ultra-low Energy Use Applicance Design; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department and senior standing.

0101	Yunho Hwang, Jiazhen Ling	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1176

ENME489N **Special Topics in Mechanical Engineering; Residential and Industrial Energy Audit**

ENME489N *(PermReq)* **Special Topics in Mechanical Engineering: Residential and Industrial Energy Audit; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite:ENES232, ENME331, and permission of department. Trends in energy resources and technologies, followed by energy audit/analysis of both residential and commercial facilities. Energy accounting procedures for electrical, mechanical and HVAC systems and respective life-cycle cost analysis. Students will gain hands on experience conducting energy audit, as well get introduced to annual energy consumption/ analysis simulation tools.

0101	Michael Ohadi	Seats (Total: 13)
	TuTh 2:00pm - 3:15pm	EGR 1102

ENME489P **Special Topics in Mechanical Engineering; Internal Combustion Engines**

ENME489P *(PermReq)* **Special Topics in Mechanical Engineering: Internal Combustion Engines; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: ENES232, ENME331, and permission of department. Co-requisite: ENME332.

0101	Eugene Keating	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	PLS 1117

ENME489T **Special Topics in Mechanical Engineering; Nuclear Reactor Design**

ENME489T *(PermReq)* **Special Topics in Mechanical Engineering: Nuclear Reactor Design; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisites: ENME430 and MATH246.

0101	Robert Sanders	Seats (Total: 20)
	MW 11:00am - 12:15pm	ITV 1100

NE01	Robert Sanders	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENME489W **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

ENME489W *(PermReq)* **Special Topics in Mechanical Engineering: Pollution and Waste Technology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta	Seats (Total: 47)
	Th 4:00pm - 6:40pm	JMP 3216

ENME489Z **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

ENME489Z *(PermReq)* **Special Topics in Mechanical Engineering: Advanced Strength of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Teng Li	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 2116

ENME605 **Advanced Systems Control**

ENME605 Advanced Systems Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME462 or permission of instructor. Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Nikhil Chopra	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	EGR 0110

ENME625 **Multidisciplinary Optimization**

ENME625 Multidisciplinary Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor.* Overview of single- and multi-level design optimization concepts and techniques with emphasis on multidisciplinary engineering design problems. Topics include single and multilevel optimality conditions, hierarchic and nonhierarchic modes and multilevel post optimality sensitivity analysis. Students are expected to work on a semester-long project.

0101	Shapour Azarm	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	EGR 1110

ENME632 **Advanced Convection Heat Transfer**

ENME632 Advanced Convection Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 342; and ENME 343} or permission of instructor. Also offered as ENNU 615. Credit will be granted for only one of the following: ENNU 615 or ENME 632. Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

0101	Chandrasekhar Thamire	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	CHE 2145

ENME635 **Energy Systems Analysis**

ENME635 Energy Systems Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENME 633 or equivalent or permission of instructor. Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

0101	Jiazhen Ling, Yunho Hwang	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 3102

ENME641 **Viscous Flow**

ENME641 Viscous Flow; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 640 or equivalent or permission of instructor. Formerly ENME652. Fluid flows where viscous effects play a significant role. Examples of steady and unsteady flows with exact solutions to the Navier-Stokes equations. Boundary layer theory. Stability of laminar flows and their transition to turbulence.

0101	Amir Riaz TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMP 1202

ENME664 **Dynamics**

ENME664 Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENES 221 or equivalent or permission of instructor. Kinematics in plane and space; Dynamics of particle, system of particles, and rigid bodies. Holonomic and non-holonomic constraints. Newton's equations, D'Alembert's principle, Hamilton's principle, and equations of Lagrange. Impact and collisions. Stability of equilibria.

0101	Marcelo Valdez, B Balachandran MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 3114

ENME672 **Composite Materials**

ENME672 Composite Materials; (3 credits) Grade Method: REG/AUD.
Micromechanics of advanced composites with passive and active reinforcements, mathematical models and engineering implications, effective properties and damage mechanics, recent advances in "adaptive" or "smart" composites.

0101	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 30) ITV 1100
HG01	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
PE01	Hugh Bruck Class time/details on ELMs	Seats (Total: 15) ONLINE

SM01	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
TV01	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME674 **Finite Element Methods**

ENME674 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods. Also offered as ENAE488C and ENAE652.

0101	Abhijit Dasgupta MW 5:10pm - 6:25pm	Seats (Total: 40) EGR 1104

ENME695 **Failure Mechanisms and Reliability**

ENME695 Failure Mechanisms and Reliability; (3 credits) Grade Method: REG/AUD.
This course will present classical reliability concepts and definitions based on statistical analysis of observed failure distributions. Techniques to improve reliability, based on the study of root-cause failure mechanisms, will be presented; based on knowledge of the life-cycle loadprofile, product architecture and material properties. Techniques toprev ent operational failures through robust design and manufacturing practices will be discussed. Students will gain the fundamentals and skills in the field of reliability as it directly pertains to the designand the manufacture of electrical, mechanical, andelectomechanical products.

0101	Michael Pecht M 9:00am - 11:40am	Seats (Total: 30) EGR 2107
ER01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
HT01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA
SM01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

ENME704 **Active Vibration Control**

ENME704 Active Vibration Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 662, ENME 602 or equivalent. Recommended: Vibrations and Control. 3 semester hours. For ENGR majors only.* This course aims at introducing the basic principles of the finite element method and applying it to plain beams and beams treated with piezoelectric actuators & sensors. The basic concepts of structural parameter i dentification are presented with emphasis on Eigensystem Realization Algorithms (ERA) and Auto-regression models (AR). Different active control algorithms are then applied to beams/piezo-actuator systems. Among thes e algorithms are: direct velocity feedback, impedancematchingcontrol, modal control methods & sliding mode controllers. Particular focus is given to feedforward Leat Mean Square (LMS) algorithm & filtered-X LMS. O ptimal placement strategies of sensor & actuators are then introduced & applied to beam/piezo-actuator systems.

0101	Amr Baz TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 3102

ENME712 **Measurement, Instrumentation and Data Analysis for Thermo-Fluid Processes**

ENME712 Measurement, Instrumentation and Data Analysis for Thermo-Fluid Processes; (3 credits) Grade Method: REG/AUD.
This course is designed to offer systemic coverage of the methodologies for measurement and data analysis of thermal and fluid processes at the graduate level. The course materials will cover three broad categories: (1) Fundamentals of thermal and fluid processes in single phase and multi phase flows as relates to this course; Measurement and Instrumentation techniques for measurement of basic quantities such as pressure, temperature, flow rate, heat flux, etc., and (3) Experimental Design and Planning, sources of errors in measurements, and uncertainty analysis.

0101	Xinan Liu	Seats (Total: 35)
	MW 3:30pm - 4:45pm	EGR 0108

ENME780 **Mechanical Design of High Temperature and High Power Electronics**

ENME780 Mechanical Design of High Temperature and High Power Electronics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 220, ENME 382, ENME 473, or ENME 690. This course will discuss issues related to silicon power device selection (IGBT, MCT, GTO, etc.), the characteristics of silicon device operation at temperatures greater thatn 125C, and the advantages of devices based on SOI and SiC. It will also discuss passive components and packaging materials selection for distributing and controlling power, focusing on the critical limitations to use of many passive components and packaging materials at elevated temperatures. In addition it will cover packaging techniques and analysis to minimize the temperature elevation caused by power dissipation. Finally, models for failure mechanisms in high temperature and high power electronics will be presented together with a discussion of design options to mitigate their occurrence.

0101	Patrick McCluskey	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2116

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME808L **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design II**

ENME808L Advanced Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design II; (3 credits) Grade Method: REG/AUD.

0101	Yunho Hwang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1176

ENME808M **Advanced Topics in Mechanical Engineering; Nanoparticle and Aerosol Dynamics**

ENME808M Advanced Topics in Mechanical Engineering: Nanoparticle and Aerosol Dynamics; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM608A and ENCH648A.

0101	Michael Zachariah	Seats (Total: 30)
	TuTh 9:30am - 10:45am	EGR 2116

ENME808N **Advanced Topics in Mechanical Engineering; Nanomechanics**

ENME808N Advanced Topics in Mechanical Engineering: Nanomechanics; (3 credits) Grade Method: REG/AUD.

0101	Santiago Solares	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 3114

ENME808Q **Advanced Topics in Mechanical Engineering; Professional Preparation and Program Management**

ENME808Q Advanced Topics in Mechanical Engineering: Professional Preparation and Program Management; (3 credits) Grade Method: REG/AUD.

0101	David Bigio, Hugh Bruck	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	EGR 1102

ENME808W **Advanced Topics in Mechanical Engineering; Advanced Energy Audits**

ENME808W Advanced Topics in Mechanical Engineering: Advanced Energy Audits; (3 credits) Grade Method: REG/AUD.
Trends in energy resources and technologies, followed by advanced energyaudit/analysis of diverse applications. Energy accounting procedures forelectrical, mechanical, HVAC, and other high impact systems along with respective life-cycle cost analysis. Advanced annual energy consumption /analysis simulation tools are introduced and will beused to conduct energy analysis on select applications.

0101	Michael Ohadi	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	EGR 1102

ENME808X **Advanced Topics in Mechanical Engineering; Engineering Decision Making**

ENME808X Advanced Topics in Mechanical Engineering: Engineering Decision Making; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herrmann	Seats (Total: 17)
	TuTh 2:00pm - 3:15pm	ITV 1111

ENME808Z **Advanced Topics in Mechanical Engineering; Electronic Product Development**

ENME808Z Advanced Topics in Mechanical Engineering: Electronic Product Development; (3 credits) Grade Method: REG/AUD.

0101	Donald Barker	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSI 3117

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Spring 2012

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU648 **Special Problems in Nuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU648K **Special Problems in Nuclear Engineering; Reactor Physics and Engineering**

ENNU648K Special Problems in Nuclear Engineering: Reactor Physics and Engineering; (3 credits) Grade Method: REG/AUD.

0101	Mahmoud Massoud W 4:00pm - 6:40pm	Seats (Total: 15) CSS 2416
NE01	Mahmoud Massoud W 4:00pm - 6:40pm	Seats (Total: 10) ONLINE

ENNU648M **Special Problems in Nuclear Engineering; Degradation of Materials**

ENNU648M Special Problems in Nuclear Engineering: Degradation of Materials; (3 credits) Grade Method: REG/AUD.

NE01	Aristos Christou Class time/details on ELMs	Seats (Total: 10) ONLINE

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Spring 2012

ENPM601 **Analog and Digital Communication Systems**

ENPM601 Analog and Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM 600 or equivalent. Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase- locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

0101	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HT01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM602 **Data Networks**

ENPM602 Data Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) EGR 2103
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM609 **Microprocessor-Based Design**

ENPM609 Microprocessor-Based Design; (3 credits) Grade Method: REG/AUD.
Prerequisites: undergraduate logic design, computer architecture, and programming courses. Introduction to microprocessor components, software, and tools. Architectures, instruction sets, and assembly language programming for a commercial microprocessor family. Real-time programming techniques. Peripheral chips such as, parallel ports, counter-timers, DMA controllers, interrupt controllers, and serial communication units. Design projects emphasizing intergrated hardware and software solutions to engineering problems.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM612 **System and Software Requirements**

ENPM612 System and Software Requirements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM611. Credit will be granted for only one of the following: ENPM612 or ENPM808K. Formerly ENPM808K. Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

0101	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HT01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM614 **Software Testing & Maintenence**

ENPM614 *(PermReq)* **Software Testing & Maintenence; (3 credits)** Grade Method: REG/AUD.
Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

0101	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
HT01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM635 **Thermal Systems Design Analysis**

ENPM635 Thermal Systems Design Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate thermodynamics, fluid mchanics, heat transfer. Evaluates the trade-offs associted with thermal systems. Use of software for system simulation, evaluation and optimization. Applications include power and refrigeration systems, electronics cooling, distillation columns, dehumidifying coils, and co-generation systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Karim Amrane Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM642 **Systems Requirements, Design and Trade-Off Analysis**

ENPM642 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENSE622. Credit will be granted for only one of the following: ENPM642, ENSE602, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENSE622.

0101	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 27) ITV 1111
HT01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM644 **Human Factors in Systems Engineering**

ENPM644 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE624. Credit will be granted for only one of the following: ENPM644 or ENSE624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENSE624.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111
HT01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM647 **Systems Quality and Robustness Analysis**

ENPM647 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE627. Credit will be granted for only one of the following: ENPM647 or ENSE627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENSE627.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 3201
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM656 **Energy Conversion II -- Mobile Power**

ENPM656 Energy Conversion II -- Mobile Power; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM656 or ENPM808G. Formerly ENPM808G. Presents the scientific and engineering basis for design, manufacture, and operation of thermal conversion technologies utilized for mobility power generation. The interface between fuel combustion chemistry and generated power are addressed. The practical aspects of design and operation of various alternatives for power are compared. The impact of choices with regard to power and fuel alternatives as well as air pollution potential are also considered.

0101	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
HT01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Eugene Keating Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM671 **Advanced Mechanics of Materials**

ENPM671 Advanced Mechanics of Materials; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM808M or ENPM671. Formerly ENPM808M. Formulate and quantitatively state the mechanical/physical responses of structural components and configurations subjected to loads, temperature, pre-strains etc. The two methods of anlysis employed are the mechanics of materials approach and the theory of elasticity approach. Analysis and design of components of structural/machine systems as experienced in aeronautical, civil, mechanical and nuclear engineering.

0101	Teng Li M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HT01	Teng Li M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Teng Li M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Teng Li M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM672 **Fundamentals for Thermal Systems**

ENPM672 Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate engineering, physics or chemistry degree. Credit will be granted for only one of the following: ENPM672 or ENPM808J. Formerly ENPM808J. Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

ME01	David Didion Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM677 **Wireless Sensor Networks**

ENPM677 Wireless Sensor Networks; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM677 or ENPM808I. Formerly ENPM808I. Focuses on networking aspects, protocols and architectures for Wireless Sensor Networks. Provides a thorough description of the most important issues and questions that have to be addressed in a wireless sensor neto work.

0101	Seyed Bahari W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HT01	Seyed Bahari W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Seyed Bahari W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM683 **Chemistry of Energetic Materials**

ENPM683 Chemistry of Energetic Materials; (3 credits) Grade Method: REG/AUD. *Prerequisite: A background in general chemistry is strongly desired. Credit will be granted for only one of the following: ENPM683 or ENPM808Q. Formerly ENPM808Q.* An introduction to the chemistry of energetic materials (explosives, propellants, and pyrotechnics), organized by traditional functional groups. Primary and secondary explosives, including the properities and syntheses of nitrate esters, nitramines, and nitro compounds, as well as other energetic compunds will be discussed. Other topics discussed are: crystallization, polymorphism, sensitivity, and various explosive and propellant compositions.

PE01	Joseph Mannion Class time/details on ELMs	Seats (Total: 30) ONLINE

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808A **Advanced Topics in Engineering; Solar Thermal Energy Systems**

ENPM808A Advanced Topics in Engineering: Solar Thermal Energy Systems; (3 credits) Grade Method: REG/AUD.

ME01	Stephen Treado Class time/details on ELMs *This is an online section.*	Seats (Total: 40) ONLINE

ENPM808I **Advanced Topics in Engineering; Innovative Reactor Design**

ENPM808I Advanced Topics in Engineering: Innovative Reactor Design; (3 credits) Grade Method: REG/AUD.

0101	Matthew Forsbacka Tu 4:00pm - 6:40pm	Seats (Total: 10) ITV 1111
HT01	Matthew Forsbacka Tu 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA
NE01	Matthew Forsbacka Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Matthew Forsbacka Tu 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA
SM01	Matthew Forsbacka Tu 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA

ENPM808K **Advanced Topics in Engineering; Computational Methods for Energy Systems**

ENPM808K Advanced Topics in Engineering: Computational Methods for Energy Systems; (3 credits) Grade Method: REG/AUD.

0101	Tien-Mo Shih W 4:00pm - 6:40pm	Seats (Total: 25) EGR 2107
HT01	Tien-Mo Shih W 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA
ME01	Tien-Mo Shih W 4:00pm - 6:40pm	Seats (Total: 10) ONLINE
SG01	Tien-Mo Shih W 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA
SM01	Tien-Mo Shih W 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA

ENPM808M **Advanced Topics in Engineering; Programming in C for Cybersecurity Applications**

ENPM808M Advanced Topics in Engineering: Programming in C for Cybersecurity Applications; (3 credits) Grade Method: REG/AUD.

0101	Masoud Hamedi M 5:30pm - 8:10pm	Seats (Total: 25) EGR 2107
HT01	Masoud Hamedi M 5:30pm - 8:10pm	Seats (Total: 5) Location: TBA
SG01	Masoud Hamedi M 5:30pm - 8:10pm	Seats (Total: 5) Location: TBA
SM01	Masoud Hamedi M 5:30pm - 8:10pm	Seats (Total: 5) Location: TBA

ENPM808Q **Advanced Topics in Engineering; Wind Energy Engineering**

ENPM808Q Advanced Topics in Engineering: Wind Energy Engineering; (3 credits) Grade Method: REG/AUD.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Norman Eisenberg Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPP Engineering and Public Policy Spring 2012

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Matthias Ruth	Seats (Total: 10)
	Contact instructor or department for details.	

ENRE Reliability Engineering Spring 2012

ENRE447 **Fundamentals of Reliability Engineering**

ENRE447 Fundamentals of Reliability Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENRE445 or ENRE447. Formerly ENRE445. Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

0101	Aristos Christou	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 2116

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE489G **Special Topics in Reliability Engineering; Fundamental Reliability Analysis**
Contact department for information to register for this course.

ENRE620 **Mathematical Techniques of Reliability Engineering**

Contact department for information to register for this course.

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE641 **Accelerated Testing**

ENRE641 Accelerated Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE663 or permission of department. Credit will be granted for only one of the following: ENRE 641 or ENRE 650. Formerly ENRE650. Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.

0101	Mohammad Modarres W 1:00pm - 3:40pm	Seats (Total: 20) EGR 2107
ER01	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 10)
RE01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

ENRE655 Advanced Methods in Reliability Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 602. Credit will be granted for only one of the following: ENRE 655 or ENRE 665. Formerly ENRE665. Bayesian methods and applications, estimation of rare event frequencies, uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

0101	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) EGR 2107
ER01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 15)
HT01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA
RE01	Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA
SM01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA
TV01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA

ENRE671 **Risk Assessment in Engineering**

ENRE671 Risk Assessment in Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE670. Credit will be granted for only one of the following: ENRE648W or ENRE671. Formerly ENRE648W.* Introduction to risk management and decision-making, including uncertainty propagation, importance ranking, risk acceptance criteria, decision analysis and other decsion-making techniques, risk communication.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 10) ITV 1111
ER01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)
RE01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)
SM01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 5)

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Spring 2012

ENSE622 **Systems Requirements, Design and Trade-Off Analysis**

ENSE622 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENPM642. Credit will be granted for only one of the following: ENPM642, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENPM642.

0101	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 27) ITV 1111

ENSE624 **Human Factors in Systems Engineering**

ENSE624 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM644. Credit will be granted for only one of the following: ENPM644 or ENSE 624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENPM644.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government. Also offered as ENPM646.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100

ENSE627 **Systems Quality and Robustness Analysis**

ENSE627 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG.

Prerequisite: permission of department. Also offered as ENPM647. Credit will be granted for only one of the following: ENPM647 or ENSE 627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENPM647.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 3201
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE698A **Special Topics in Systems Engineering; Public Policy & Private Enterprise in National Security**

ENSE698A Special Topics in Systems Engineering: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 30)

ENSE698F **Special Topics in Systems Engineering; Current Issues in Federal Acquisition**

ENSE698F Special Topics in Systems Engineering: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG/AUD.

Also offered as BUSI758P and PUAF689F.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA	

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Spring 2012

ENSP101 **Introduction to Environmental Science**
Contact department for information to register for this course.

ENSP102 **Introduction to Environmental Policy**

ENSP102 Introduction to Environmental Policy; (3 credits) Grade Method: REG. Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

0101	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 PLS 1162	 Discussion
0102	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 HBK 0108	 Discussion

0103	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 23) SHM 2102 HBK 0105	Discussion
0104	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 BPS 1228	Discussion
0105	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 KEB 1200	Discussion
0106	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 BPS 1124	Discussion
0107	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 PLS 1111	Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102. Junior standing. Credit will be granted for only one of the following: ENSP330 or ENSP399A. Formerly ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1119	

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.*

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy; Independent Study in Environmental Science and Policy**

ENSP399 Special Topics in Environmental Science and Policy: Independent Study in Environmental Science and Policy; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	ANS 0408

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology — Spring 2012

ENST200 **Fundamentals of Soil Science**

ENST200 Fundamentals of Soil Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: CHEM103, or CHEM131 and CHEM132; or permission of department. Credit will be granted for only one of the following: ENST200 or NRSC200. Formerly NRSC200. Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

0101	Raymond Weil TuTh 3:30pm - 4:45pm M 9:00am - 11:50am	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0102	Raymond Weil TuTh 3:30pm - 4:45pm Tu 9:30am - 12:20pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0103	Raymond Weil TuTh 3:30pm - 4:45pm W 9:00am - 11:50am	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0104	Raymond Weil TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0105	Raymond Weil TuTh 3:30pm - 4:45pm W 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0106	Raymond Weil TuTh 3:30pm - 4:45pm Th 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 45) ANS 0408 ANS 0422	 Discussion
0102	Lance Yonkos TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 45) ANS 0408 ANS 0422	 Discussion

ENST250 **Environmental Issues and Culture in USA and Russia**

ENST250 Environmental Issues and Culture in USA and Russia; (1 credit) Grade Method: REG/P-F.
Recommended for Freshmen and Sophomores only. Explore environmental issues and culture with university students at Moscow State University of Environmental Engineering, Moscow, Russia via weekly videoconferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

0101	Richard Weismiller, Robert Hill W 9:00am - 10:50am	Seats (Total: 15) SYM 0118

ENST281 **Computer Aided Design in Ecology**

ENST281 Computer Aided Design in Ecology; (3 credits) Grade Method: REG/P-F/AUD.
For ENST majors only. Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Introduction to dynamic ecosystem modeling with iconographic simulation software. Course will spend 6 weeks on CAD and 8 weeks on modeling. Use of campus stormwater wetland as case study.

0101	David Tilley	Seats (Total: 22)	
	F 2:00pm - 3:15pm	ANS 0509	
	F 3:20pm - 5:20pm	ANS 0509	Lab

ENST309 **Advanced Field Soil Morphology**

ENST309 *(PermReq)* **Advanced Field Soil Morphology; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST301 and permission of department.

0101	Martin Rabenhorst	Seats (Total: 15)
	Contact instructor or department for details.	

ENST314 **Fisheries Management and Sustainability**

ENST314 Fisheries Management and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST214 and MATH113 or higher; or permission of department. Credit will be granted for only one of the following: ENST314 or NRMT314. Formerly NRMT314. A detailed look at the ecology, management, and sustainability of fisheries resources. Concepts on human and ecological dimensions are emphasized.

0101	Reginal Harrell	Seats (Total: 36)
	TuTh 11:00am - 12:15pm	ANS 0412

ENST334 **Environmental Toxicology**

ENST334 Environmental Toxicology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI207 and CHEM131/CHEM132 or permission of department.
Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

0101	Daniel Fisher	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0412

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 50)
	Contact instructor or department for details.	

ENST405 **Energy and Environment**

ENST405 Energy and Environment; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH140 or MATH220. Junior standing. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly NRMT489Z.* Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing. Also offered as MEES698Z.

0101	David Tilley	Seats (Total: 42)
	MWF 10:00am - 10:50am	ANS 0422

ENST411 **Principles of Soil Fertility**

ENST411 Principles of Soil Fertility; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 or equivalent. Credit will be granted for only one of the following: ENST411 or NRSC411. Formerly NRSC411.* Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	HJP 1104

ENST421 **Soil Chemistry**

ENST421 Soil Chemistry; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST421 or NRSC421. Formerly NRSC421.* The chemistry and composition of mineral and organic colloids in soils, including ion exchange, oxidation-reduction, acidity, surface charge, and solution chemistry. Lectures and readings pertain to plant nutrition, waste disposal, and groundwater quality.

0101	Bruce James	Seats (Total: 25)	
	MWF 1:00pm - 1:50pm	HJP 1104	
	Tu 8:00am - 11:00am	HJP 0134	Lab

ENST423 **Soil-Water Pollution**

ENST423 Soil-Water Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENST200 (formerly NRSC200) and CHEM104; or permission of department. Credit will be granted for only one of the following: ENST423 or NRSC423. Reaction and fate of pesticides, agricultural fertilizers, industrial and animal wastes in soil and water with emphasis on their relation to the environment.

0101	Robert Hill	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	HJP 1104	

ENST430 **Wetland Soils**

ENST430 Wetland Soils; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST430, ENST630 or NRSC461. Formerly NRSC461. The soils of wetlands including hydrology, chemistry, and genesis are discussed. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 14)	
	MW 2:00pm - 2:50pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab

ENST436 **Emerging Environmental Threats**

ENST436 Emerging Environmental Threats; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 or permission of department. Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis on studying the intrinsic links between ecosystem and human health. Topics will include climate change, resource consumption, biodiversity change, infectious disease, non-traditional pollutants, and other complex and significant environmental concerns.

0101	Paul Leisnham	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	ANS 0412

ENST440 **Crops, Soils and Civilization**

ENST440 Crops, Soils and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Credit will be granted for only one of the following: ENST440 or NRSC440. Formerly NRSC440. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James	Seats (Total: 42)
	MWF 11:00am - 11:50am	PLS 1119

ENST443 **Industrial Ecology**

ENST443 Industrial Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 or MATH220; and ENST360 or BSCI361; or permission of department. Also offered as ENST643 and MEES698J. Credit will be granted for only one of the following: ENST443, ENST643, or MEES698J. Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas	Seats (Total: 20)
	MW 11:00am - 12:15pm	ANS 0538

ENST445 **Ecological Risk Assessment**

ENST445 Ecological Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333, BSCI361, and BIOM301; or permission of department.
Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

0101	Timothy Iannuzzi	Seats (Total: 30)
	M 6:00pm - 8:50pm	ANS 0412

ENST452 **Wetland Creation and Restoration**

ENST452 Wetland Creation and Restoration; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106; and one of the following: BSCI362, ENST360, ENST450, or MEES650; or permission of department. Also offered as ENST652 and MEES652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652. Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ANS 0412

ENST460 **Principles of Wildlife Management**

ENST460 Principles of Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Three Saturday field trips are scheduled. Prerequisite: Two semesters of biology laboratory or permission of department. Credit will be granted for only one of the following: ENST460 or NRMT460. Formerly NRMT460. Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

0101	Jennifer Murrow	Seats (Total: 42)
	MW 2:00pm - 3:15pm	ANS 0422

ENST462 **Field Techniques in Wildlife Management**

ENST462 Field Techniques in Wildlife Management; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ENST460 and ENST461. Credit will be granted for only one of the following: ENST462, NRMT462, or NRMT489B. Formerly NRMT462. Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns.

0101	Jennifer Murrow	Seats (Total: 15)	
	M 3:30pm - 7:30pm	ANS 0422	Lab

ENST472 **Capstone II**

ENST472 *(PermReq)* **Capstone II; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENST471. This course is the second in a two-part series. Students will continue work on projects proposed and begun in ENST471. Focus on professional project preparation, presentation, critical evaluation on environmental science research, professional development, and career planning. Students will develop and present original projects and critique projects presented by others.

Contact department for information to register for this course.

ENST479 **Tropical Ecology and Resource Management**

ENST479 *(PermReq)* **Tropical Ecology and Resource Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

0101	Patrick Kangas	Seats (Total: 10)	
	W 5:00pm - 6:00pm	ANS 1420	
	Contact instructor or department for details.		

ENST481 **Ecological Design**

ENST481 Ecological Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: One semester of calculus; PHYS121; CHEM131; or permission of instructor. Credit will be granted for only one of the following: ENST481 or ENST681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development. Concepts covered include ecology, ecological engineering, nutrient cycling, emergy, lifecycle analysis, and design process. Technologies include treatment wetlands, living machines, anaerobic digestion, rain gardens, bioswales, bioremediation, algal turf scrubbers, and green building design.

0101	Stephanie Lansing	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	ANS 0422	
	Tu 9:00am - 10:50am	ANS 0538	Lab

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499C **Special Topics in Environmental Science and Technology; South African Ecology**

ENST499C *(PermReq)* **Special Topics in Environmental Science and Technology: South African Ecology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	William Bowerman	Seats (Total: 9)
	Contact instructor or department for details.	

ENST499D **Special Topics in Environmental Science and Technology; Anaerobic Digestion Design and Testing**

ENST499D *(PermReq)* **Special Topics in Environmental Science and Technology: Anaerobic Digestion Design and Testing; (1 credit)** Grade Method: REG/P-F/AUD. Also offered as ENST689D.

0101	Stephanie Lansing	Seats (Total: 10)
	F 12:00pm - 12:50pm	ANS 1420

ENST499G **Special Topics in Environmental Science and Technology; Treatment Wetlands**

ENST499G Special Topics in Environmental Science and Technology: Treatment Wetlands; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH220, and CHEM131 or equivalent; Junior or Senior standing. Ecological and engineering aspects of treatment wetlands will be explored through design projects and discussion of case studies. Treatment wetlands designed pollutants from various wastewater sources will be the focus. Current research of treatment wetland technologies will also be examined. Field trips will be planned according to students students' schedules.

0101	Brandon Winfrey	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	ANS 0422

ENST499M **Special Topics in Environmental Science and Technology; Environmental Microbiology**

ENST499M Special Topics in Environmental Science and Technology: Environmental Microbiology; (3 credits) Grade Method: REG.
Prerequisite: BSCI105, CHEM131, and CHEM132. Microorganisms are everywhere and mediate many of the processes that we observe everyday. These organisms are the unseen catalysts for numerous industrial processes and are critical to many emerging technologies and novel products. Environmental microbiologists ask: How do microorganisms in the environment benefit society? This course will answer this question by examining microbes in bioremediation, food safety, climate change, and biotechnology.

0101	Stephanie Yarwood	Seats (Total: 30)
	MW 2:00pm - 3:15pm	HJP 1125

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499Y **Special Topics in Environmental Science and Technology; College Teaching**

ENST499Y *(PermReq)* **Special Topics in Environmental Science and Technology: College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST605 **Energy and Environment**

ENST605 Energy and Environment; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH220 or equivalent. Also offered as ENST405 and MEES698Z. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly MEES698Z.* Role of energy in environmental and human-dominated systems and their linkage. Discussion of the historical and modern production and consumption of energy. Energy systems simulation modeling, energy analysis and energy auditing. Review of national energy policies and proposed alternatives.

0101	David Tilley	Seats (Total: 8)
	MWF 10:00am - 10:50am	ANS 0422
	Contact instructor or department for details.	

ENST608 **Research Methods**

Contact department for information to register for this course.

ENST611 **Advanced Principles of Soil Fertility**

ENST611 Advanced Principles of Soil Fertility; (3 credits) Grade Method: REG/AUD.

Prerequisite: ENST200 or equivalent. Also offered as ENST411. Credit will be granted for only one of the following: ENST411, NRSC411, or ENST611. Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 7)	
	TuTh 12:30pm - 1:45pm	HJP 1104	
	Tu 11:00am - 11:50am	HJP 1129	Discussion

ENST630 **Advanced Wetland Soils**

ENST630 Advanced Wetland Soils; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST200. Credit will be granted for only one of the following: ENST630, ENST403, or NRSC461.* The soils of wetlands including hydrology, biogeochemistry, and pedogenesis, including a focused discussion of current literature. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 6)	
	MW 2:00pm - 2:50pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab
	W 12:00pm - 12:50pm	HJP 1129	Discussion

ENST643 **Advanced Industrial Ecology**

ENST643 Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST360 or BSCI361 permission of department course in Ecology, and permission of department. Also offered as ENST443. Credit will be granted for only one of the following: ENST443 or ENST643.* Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems. Also offered as ENST443 and MEES698J.

0101	Patrick Kangas	Seats (Total: 20)	
	MW 11:00am - 12:15pm	ANS 0538	

ENST652 **Wetland Creation and Restoration**

ENST652 Wetland Creation and Restoration; (3 credits) Grade Method: REG/AUD. *Prerequisite: BSCI106 and {ENST360 or BSCI362 or ENST450 or MEES650}; or permission of department. Also offered as ENST452 or MEES652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652.* Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment.

0101	Andrew Baldwin	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ANS 0412

ENST689D **Special Topics; Anaerobic Digestion Design and Testing**

ENST689D *(PermReq)* **Special Topics: Anaerobic Digestion Design and Testing; (1 credit)** Grade Method: REG/AUD.
Also offered as ENST499D.

0101	Stephanie Lansing	Seats (Total: 10)
	F 12:00pm - 12:50pm	ANS 1420

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST702 **Environmental Science and Technology: Communication and Pro fessional Development**

ENST702 Environmental Science and Technology: Communication and Pro fessional Development; (2 credits) Grade Method: REG/AUD.
For ENST major only or permission of instructor. Training in communication and professional development to prepare students to succeed in careers within the fields of environmental science and technology. Topics will include manuscript and technical writing, job search, communication with academic and non-academic audiences, multi-disciplinary collaboration, management (project, personnel, time), professionalism, leadership, ethics, and career opportunities. Course emphasizes practical training through facilitated discussions and critique practicums.

0101	Brian Needelman	Seats (Total: 25)	
	W 3:00pm - 3:50pm	ANS 1420	
	F 2:00pm - 4:00pm	ANS 1420	Discussion

ENST789 **Advances in Research**
Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Martin Rabenhorst, Paul Leisnham	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Spring 2012

ENTM667 **Aquatic Entomology**

ENTM667 Aquatic Entomology; (3 credits) Grade Method: REG.
Biology, ecology, and taxonomy of aquatic insects in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration.

0101	William Lamp	Seats (Total: 24)	
	W 1:00pm - 1:50pm	PLS 1146	
	W 2:00pm - 5:00pm	PLS 1161	Lab
	F 1:00pm - 3:00pm	PLS 1161	Discussion

ENTM699J **Advanced Entomology; ARTHROPOD EVOLUTION**

ENTM699J Advanced Entomology: ARTHROPOD EVOLUTION; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Shultz	Seats (Total: 20)
	Tu 10:00am - 11:00am	PLS 1161
	W 11:00am - 1:00pm	PLS 1161

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Judd Nelson, Jian Wang	Seats (Total: 75)
	F 12:00pm - 1:50pm	PLS 1130

ENTM798A **Topic Seminar; Seminar in Systematics and Morphology**

ENTM798A Topic Seminar: Seminar in Systematics and Morphology; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798E **Topic Seminar; Topics in Ecology**

ENTM798E Topic Seminar: Topics in Ecology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 25)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Spring 2012

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS622 **Introduction to Digital Communication Systems**

ENTS622 Introduction to Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Restricted to ENTS majors. All non-majors will need to obtain permission for the department. Credit will be granted for only one of the following: ENTS622 or ENTS689B. Formerly ENTS689B. Principles of analog and digital communication systems design. Analysis of the performance and relative merits of different modulation and demodulation, signal processing, filtering and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems.

0101	Sheldon Wolk M 5:30pm - 8:15pm	Seats (Total: 40) EGR 3106

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler W 2:00pm - 4:45pm	Seats (Total: 40) PLS 1130
0201	David Kressler W 5:30pm - 8:15pm	Seats (Total: 40) PLS 1130

ENTS629B **Special Topics in Cybersecurity; Cryptography and Network Security**

ENTS629B Special Topicsl in Cybersecurity: Cryptography and Network Security; (3 credits) Grade Method: REG/AUD.

0101	Krishnan Balakrishnan F 5:30pm - 8:15pm	Seats (Total: 30) EGR 0135

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG/AUD.
Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

0101	Jahangir Boroumand Tu 5:30pm - 8:15pm	Seats (Total: 40) VMH 1411

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.
Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Tor Andreassen M 2:00pm - 4:45pm	Seats (Total: 40) SQH 1119
0201	Henry Boyd M 5:30pm - 8:15pm	Seats (Total: 40) VMH 1333

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 241 and ENEE 324 or equivalent. The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.

0101	Bellur Srikar M 5:30pm - 8:15pm	Seats (Total: 45) VMH 1202

ENTS640 **Networks and Protocols I**

ENTS640 Networks and Protocols I; (3 credits) Grade Method: REG/AUD. *For ENTS majors only.* An overview of design issues and the important industry standards for digital communications networks. This includes protocols, data communications technologies, error correction and detection, congestion control, traffic routing, Local Area Network (LAN) protocols, TCP/IP, and some security issues.

0101	Zoltan Safar Th 5:30pm - 8:15pm	Seats (Total: 40) EGR 3106

ENTS641 **Networks and Protocols II**

ENTS641 Networks and Protocols II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENTS640. For ENTS majors only.* Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

0101	Mehdi Kalantari Khandani Th 2:00pm - 4:45pm	Seats (Total: 40) CHE 2136
0201	Mehdi Kalantari Khandani Th 5:30pm - 8:15pm	Seats (Total: 40) CHE 2136

ENTS649A **Special Topics in Networking; Optical Communication Networks**

ENTS649A Special Topics in Networking: Optical Communication Networks; (3 credits) Grade Method: REG/AUD.

0101	Reza Eftekari F 9:00am - 12:00pm	Seats (Total: 30) EGR 3106

ENTS654 **Optimization and Analysis of GSM Networks**

ENTS654 Optimization and Analysis of GSM Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTS653 or ENTS656; and permission of department. Restricted to ENTS majors. All non-majors will need to obtain permission of department. Credit will be granted for only one of the following: ENTS654 or ENTS689B. The techniques needed to successfully optimize a functioning GSM networkwill be examined. Students will conduct extensive drive tests of a working network in the Washington DC area using state-of-the-art drive test equipment and will analyze the recorded data with post-processing analysis tools. Also, they will learn to recognize problems based on network behaviors and what courses of action are available to correct them. Lab work and data collection will constitute a majority of the class work.

0101	Michael Dellomo	Seats (Total: 15)	
	W 5:30pm - 8:15pm	EGR 3102	
	Th 3:00pm - 5:00pm	CHE 2145	Lab

ENTS656 **Introduction to Cellular Communication Networks**

ENTS656 Introduction to Cellular Communication Networks; (3 credits) Grade Method: REG/AUD.
Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

0101	Michael Dellomo	Seats (Total: 60)
	Tu 5:30pm - 8:15pm	SYM 0200

ENTS689G **Special Topics in Telecommunications; Design and Analysis of Communication Networks**

ENTS689G Special Topics in Telecommunications: Design and Analysis of Communication Networks; (3 credits) Grade Method: REG/AUD.
Please click here for further course information.

0101	Majid Raissi-Dehkordi	Seats (Total: 30)
	M 5:30pm - 8:15pm	EGR 0135

ENTS689K **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics in Telecommunications: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.

Please click here for further course information.

0201	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689L **Special Topics in Telecommunications; Cellular Network Infrastructure- Cell Site Design and Components**

ENTS689L Special Topics in Telecommunications: Cellular Network Infrastructure- Cell Site Design and Components; (3 credits) Grade Method: REG/AUD.

Please click here for further course information.

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 30) EGR 0108
0201	Rikin Thakker Sa 2:00pm - 4:45pm	Seats (Total: 30) CHM 1224

ENTS689V **Special Topics in Telecommunications; Voice over Internet Protocol (VoIP)**

ENTS689V Special Topics in Telecommunications: Voice over Internet Protocol (VoIP); (3 credits) Grade Method: REG/AUD.

0101	Qinqing Zhang F 5:30pm - 8:15pm	Seats (Total: 30) EGR 2154

ENTS759A **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

ENTS759A Advanced Topics in Communications: 3G/4G Wireless Networks and Systems; (3 credits) Grade Method: REG/AUD.

0101	Kamran Etemad F 2:00pm - 4:45pm	Seats (Total: 25) CSS 2416

ENTS759B **Advanced Topics in Communications; Wireless OFDM Systems**

ENTS759B Advanced Topics in Communications: Wireless OFDM Systems; (3 credits) Grade Method: REG/AUD.

0101	Alejandra Mercado Tu 2:00pm - 4:45pm	Seats (Total: 30) CHE 2145
0201	Alejandra Mercado W 2:00pm - 4:45pm	Seats (Total: 30) EGR 3106

EPIB Epidemiology and Biostatistics Spring 2012

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras Th 4:00pm - 6:45pm	Seats (Total: 30) SPH 0307

EPIB611 **Intermediate Epidemiology**

EPIB611 *(PermReq)* **Intermediate Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

0101	Sunmin Lee Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301

EPIB620 **Chronic Disease Epidemiology**

EPIB620 *(PermReq)* **Chronic Disease Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

0101	Olivia Carter-Pokras Tu 4:00pm - 6:45pm	Seats (Total: 22) SPH 0308

EPIB641 **Public Health and Research Ethics**

EPIB641 *(PermReq)* **Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.
Overview and discussion of ethical issues that face public health practitioners and researchers. Also offered as KNES689Y.

0101	Dushanka Kleinman, Jane Clark F 11:00am - 11:50am	Seats (Total: 30) SPH 0305

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He W 7:00pm - 9:45pm	Seats (Total: 30) SPH 0305

EPIB651 **Biostatistics II**

EPIB651 *(PermReq)* **Biostatistics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650. Recommended: EPIB698C (SAS Basics). Introduction to a variety of statistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

0101	Tongtong Wu W 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

EPIB698C **Special Topics in Epidemiology and Biostatistics; SAS Basics**

EPIB698C Special Topics in Epidemiology and Biostatistics: SAS Basics; (1 credit) Grade Method: REG/AUD.
Focuses on the basics of SAS programming. It is designed for students who use SAS to analyze and summarize data. Topics include data set creation and manipulation, commonly used procedures for data analysis, summarizing the data, SAS macros, and SAS graph.

0101	Raul Cruz-Cano W 1:30pm - 3:30pm	Seats (Total: 15) SPH 0301

EPIB740 **Advanced Methods in Epidemiology**

EPIB740 Advanced Methods in Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610, EPIB611, EPIB612, EPIB650, and EPIB651. In-depth investigation of epidemiologic methods for making causal inferences and solving complex methodological problems. Multivariate models emphasized.

0101	Brit Saksvig Tu 1:15pm - 3:45pm	Seats (Total: 15) JUL 1105

EPIB785 **Internship in Public Health**

EPIB785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC Family Science Spring 2012

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Emily Cook	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1303

FMSC289G **Global Child and Family Health: Getting There Via E-Communications**

FMSC289G Global Child and Family Health: Getting There Via E-Communications; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jacqueline Wallen	Seats (Total: 65)
	MWF 2:00pm - 2:50pm	SPH 1303

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290.* Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	William Knight	Seats (Total: 70)
	TuTh 5:00pm - 6:15pm	SPH 1312

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katie Hrapczynski TuTh 9:30am - 10:45am	Seats (Total: 75) SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger MWF 12:00pm - 12:50pm	Seats (Total: 65) SPH 1303
0201	Mia Smith-Bynum TuTh 9:30am - 10:45am	Seats (Total: 65) SPH 1301
0301	Stephanie Grutzmacher TuTh 12:30pm - 1:45pm	Seats (Total: 65) ARM 0110

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Elisabeth Maring TuTh 9:30am - 10:45am	Seats (Total: 60) CSI 2117

0201	Barbara Singer TuTh 12:30pm - 1:45pm	Seats (Total: 60) SPH 1301
0301	Tiffani Stevenson Lloyd MWF 10:00am - 10:50am	Seats (Total: 60) SPH 1301
0401	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 60) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	William Knight TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1312
SG91	William Knight M 2:00pm - 4:40pm	Seats (Total: 26) BLD3 4202
	Registration is restricted to Shady Grove campus Biological Sciences students. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	
SG92	William Knight M 2:00pm - 4:40pm	Seats (Total: 35) BLD3 4202
	Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2010 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Kevin Roy MWF 9:00am - 9:50am	Seats (Total: 60) SPH 1301
0201	Damian Waters TuTh 3:30pm - 4:45pm	Seats (Total: 60) SPH 1301

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC383 or FMST383. Formerly FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Marian Jones MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1303

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger MWF 1:00pm - 1:50pm	Seats (Total: 50) SPH 0302
0201	Norman Epstein TuTh 11:00am - 12:15pm	Seats (Total: 50) SPH 0302

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 11:00am - 11:50am	Seats (Total: 50) SPH 0302
0201	Jacqueline Wallen MWF 1:00pm - 1:50pm	Seats (Total: 50) SPH 1302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 60) SPH 1303

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMSC majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. Click here for Application Deadlines and additional details..

0101	Nicole Finkbeiner W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 90) TWS 1100
0201	Sally Koblinsky W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) TWS 1100

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1303

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal and Child Health**

FMSC498A Special Topics: Family Science: Maternal and Child Health; (3 credits) Grade Method: REG/P-F/AUD.
Overview of major issues, policies, and programs related to the health of women, children, and their families in the United States. Review of social, political, and economic determinants of maternal and child health and health disparities. Use of epidemiological methods and data to identify best practices for guiding maternal and child health policy and practice.

0101	Edmond Shenassa	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	SPH 0302

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: FMST604. Credit will be granted for only one of the following: FMSC610 or FMST610. Formerly FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Sandra Hofferth	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	Location: TBA

FMSC651 **Psychopathology in the Family Context**

FMSC651 *(PermReq)* **Psychopathology in the Family Context; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST650. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC651 or FMST651. Formerly FMST651. Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

0101	Lindsey Hoskins Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC653 **Advanced Application of MFT Models and Techniques**

FMSC653 *(PermReq)* **Advanced Application of MFT Models and Techniques; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST652. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC653 or FMST653. Formerly FMSC653. Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

0101	Carol Werlinich Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy: Theory and Practice of Clinical Supervision; (2 credits)** Grade Method: REG/AUD.

0101	Carol Werlinich W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
0201	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

FMSC689 **Independent Study**

FMSC689 *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC745 **Gender and Ethnicity in Family Therapy and Service Delivery**

FMSC745 *(PermReq)* **Gender and Ethnicity in Family Therapy and Service Delivery; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC745 or FMST745. Formerly FMST745. Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

0101	Leigh Leslie Th 9:00am - 11:45am	Seats (Total: 10) Location: TBA

FMSC760 **Legal Issues & Families**

FMSC760 Legal Issues & Families; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: FMSC760 or FMST760. Formerly FMST760. Analysis of marriage and family issues from a lega perspective. Review of legal decisions affecting families, including proceative rights, marriage, termination of marriage, parental and child rights, adoption, child custody, and child/family medical treatment. Relationship between family law and family policy.

0101	Kerry Tripp W 9:00am - 11:45am	Seats (Total: 15) Location: TBA

FMSC780 **Qualitative Methods in Family and Health Research**

FMSC780 Qualitative Methods in Family and Health Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC780 or FMST780. Formerly FMST780. Theoretical perspectives and methodological tools to conduct research with individuals and families across the life span. Review of research designs, participant fieldwork, observation and interview projects, data collection, computer-assisted data analysis, and development of grounded theory.

0101	Kevin Roy	Seats (Total: 15)
	M 11:00am - 1:45pm	Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	Tu 9:00am - 10:50am	JMZ 1123	Lab
	Contact instructor or department for details.	PLS 1172	Lab
	W 10:00am - 10:50am		
0201	Naime Yaramanoglu	Seats (Total: 5)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139R **Directed Study of a Foreign Language II; Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 10:45am - 11:50am	JMZ 3118	Lab
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 1)	
	W 2:00pm - 3:50pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	W 11:00am - 11:50am	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Turkish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	W 12:00pm - 1:50pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA158X or FOLA158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm	JMZ 1124	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158X or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 10)	
	Th 6:30pm - 9:30pm	JMZ 1120	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Spring 2012

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed FREN101, FREN102 or to fluent/native speakers of French. Prerequisite: Appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world. Limited to students according to conditions described in the "Foreign Language Placement" section in this schedule.

0101	Shannon Mauro MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 3120 JMZ 1224
0201	Shannon Mauro MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 3120 JMZ 0120
0301	Hannah Wegmann MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2207 JMZ 0120
0401	Hannah Wegmann MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207 JMZ 0120

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or appropriate Foreign Language Placement Testing (FLPT) score. Not open to students who have completed FREN201 or to fluent/native speakers of French of French. Credit will be granted for only one of the following: FREN201 or FREN203. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Cecile Ruel MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0118 JMZ 0118
0201	Khady Diene MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2123 JMZ 2123
0301	Kristen Gunderson MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2123 JMZ 2123
0401	David Libber MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123 JMZ 0208

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203; or appropriate Foreign Language Placement Testing (FLPT) score. Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Cordell Black TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 3205
0201	Cybele Arnaud MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 3205
0301	Cybele Arnaud MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2123

FREN211 **French Reading and Conversation**
Contact department for information to register for this course.

FREN240 **Masterworks of French Literature in Translation**

FREN240 Masterworks of French Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Major works of French literature from pre-revolutionary France to the present. Emphasis on the individual in a social context. Taught in English.

0101	Carl Gomolka TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 2122

FREN241 **Women Writers of French Expression in Translation**
Contact department for information to register for this course.

FREN250 **Introduction to Cultural and Textual Analysis**

FREN250 Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Also offered as FREN250H. Credit will be granted for only one of the following: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN250H.

0101	Phuong Hoang MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122
0201	Phuong Hoang MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122

FREN250H **Introduction to Cultural and Textual Analysis**

FREN250H Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Also offered as FREN250H. Credit will be granted for only one of the following: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. For general honors students only. Also offered as FREN250.

0101	Phuong Hoang MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122
0201	Phuong Hoang MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122

FREN269C **Special Topics in Study Abroad II; La Chason Francaise: Then and Now**
Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**
Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**
Contact department for information to register for this course.

FREN269L **Special Topics in Study Abroad II; LANGUAGE AND CINEMA**
Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**
Contact department for information to register for this course.

FREN269Z **Special Topics in Study Abroad II; Third-Year French II**
Contact department for information to register for this course.

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	David Libber MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 3203
0201	Elena Lozinsky MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1120

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from English to French; contrastive analysis.

0101	Elena Lozinsky MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215

FREN306 **Commercial French I**
Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**

FREN311 Advanced Oral Expression; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of French. Prerequisite: FREN250 or equivalent. Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

0101	Silvia Baage TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 3203

FREN312 **France Today**
Contact department for information to register for this course.

FREN351 **From Romanticism to the Age of Modernism and Beyond**
Contact department for information to register for this course.

FREN352 **From the Age of Epic and Romance to the Enlightenment**

FREN352 From the Age of Epic and Romance to the Enlightenment; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. Also offered as FREN352H.

0101	Cordell Black	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 0122

FREN352H **From the Age of Epic and Romance to the Enlightenment**

FREN352H From the Age of Epic and Romance to the Enlightenment; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. For general honors students only. Also offered as FREN352.

0101	Cordell Black	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 0122

FREN369F **Special Topics in Study Abroad III; Third-Year French I**
Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III**
Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**
Contact department for information to register for this course.

FREN386 **Experiential Learning**

FREN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**
Contact department for information to register for this course.

FREN401 **Writing with Style**

FREN401 Writing with Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or permission of department. Advanced composition and stylistic analysis.

0101	Dorothee Polanz	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	JMZ 1120	

FREN488W **Special Topics in Francophone Studies; Women in French Cinema**

FREN488W Special Topics in Francophone Studies: Women in French Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French.

0101	Caroline Eades	Seats (Total: 25)	
	M 3:30pm - 4:45pm	JMZ 2207	
	W 3:30pm - 4:45pm	JMZ 2207	Discussion

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN499L **Special Topics in French Studies; The Structure of French**

FREN499L Special Topics in French Studies: The Structure of French; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FREN611.

0101	Mary Scullen	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	JMZ 2123

FREN499Z **Special Topics in French Studies; Comedy and the Comic in France**

FREN499Z Special Topics in French Studies: Comedy and the Comic in France; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herve Campangne	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2207

FREN611 **The Structure of the French Language**

FREN611 The Structure of the French Language; (3 credits) Grade Method: REG/AUD.
Phonology, morphology, syntax and semantics of modern French. Collection and critical analysis of language data. Also offered as FREN499L.

0101	Mary Scullen	Seats (Total: 10)
	Tu 3:30pm - 6:00pm	JMZ 2123

FREN699I **Seminar; The Image in 20th Century French Thought**

FREN699I Seminar: The Image in 20th Century French Thought; (3 credits) Grade Method: REG/AUD.
Taught in English.

0101	Luka Arsenjuk	Seats (Total: 10)
	Th 4:00pm - 6:30pm	HBK 0302J

FREN699V **Seminar; A Literary History of Francophone Islands in the Caribbean**

FREN699V Seminar: A Literary History of Francophone Islands in the Caribbean; (3 credits) Grade Method: REG/AUD.

0101	Valerie Orlando	Seats (Total: 10)
	W 5:00pm - 7:30pm	JMZ 2122

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Spring 2012

GEMS102 **Research Topic Exploration and Team Formation**

GEMS102 Research Topic Exploration and Team Formation; (1 credit) Grade Method: REG.
Restricted to Gemstone students only. Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

0101	James Wallace, Rebecca Thomas Th 5:30pm - 6:30pm	Seats (Total: 180) JMZ 0220	

GEMS104 **Topics in Science, Technology and Society (STS)**

GEMS104 Topics in Science, Technology and Society (STS); (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: GEMS100. Corequisite: GEMS102 Restricted to Gemstone students only. An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Thomas Zeller M 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 11) TYD 0117 BPS 1236	Discussion
0102	Thomas Zeller M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 13) TYD 0117 PLS 1180	Discussion
0103	Thomas Zeller M 12:00pm - 12:50pm WF 1:00pm - 1:50pm	Seats (Total: 11) TYD 0117 EGR 0108	Discussion
0104	Thomas Zeller M 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 11) TYD 0117 HBK 1112	Discussion

0105	Thomas Zeller M 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 11) TYD 0117 MMH 0108	Discussion
0106	Thomas Zeller M 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 13) TYD 0117 PLS 1117	Discussion
0107	Thomas Zeller M 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 10) TYD 0117 PLS 1172	Discussion
0108	Thomas Zeller M 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 12) TYD 0117 PLS 1158	Discussion
0109	Thomas Zeller M 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 12) TYD 0117 JMP 1109	Discussion
0201	Thomas Zeller Tu 10:00am - 10:50am MW 2:00pm - 2:50pm	Seats (Total: 9) SYM 0200 BPS 1236	Discussion
0202	Thomas Zeller Tu 10:00am - 10:50am WF 12:00pm - 12:50pm	Seats (Total: 9) SYM 0200 PLS 1180	Discussion
0203	Thomas Zeller Tu 10:00am - 10:50am WF 1:00pm - 1:50pm	Seats (Total: 11) SYM 0200 EGR 0108	Discussion
0204	Thomas Zeller Tu 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 11) SYM 0200 HBK 1112	Discussion
0205	Thomas Zeller Tu 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 MMH 0108	Discussion

0206	Thomas Zeller Tu 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 9) SYM 0200 PLS 1117	Discussion
0207	Thomas Zeller Tu 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 12) SYM 0200 PLS 1172	Discussion
0208	Thomas Zeller Tu 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 10) SYM 0200 PLS 1158	Discussion
0209	Thomas Zeller Tu 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 10) SYM 0200 JMP 1109	Discussion

GEMS208E **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

GEMS208E Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen First Time Section Leader; (1-3 credits)

Grade Method: REG/AUD.

0101	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 15)

GEMS208F **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

GEMS208F Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen: Returner Section Leader; (1-3 credits)

Grade Method: REG/AUD.

Restricted to Gemstone Students.

0201	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 15)

GEMS208G **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

GEMS208G Special Topics in Leadership and Team Development: Science, Technology and Society Teaching Freshmen First Time Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 18)

GEMS208I **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

GEMS208I Special Topics in Leadership and Team Development: Science, Technology & Society Teaching Freshman, Returnee Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

GEMS208J Special Topics in Leadership and Team Development: Gems Camp; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS297 **Team Project Seminar II**

GEMS297 Team Project Seminar II; (2 credits) Grade Method: REG.
Prerequisite: For Gemstone students with sophomore standing in a research team.
This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project. Restricted to Gemstone Students.

0101	Volker Briken W 5:00pm - 5:50pm Tu 8:00pm - 8:50pm	Seats (Total: 14) PLS 1162 JMZ 2122
0102	Steven Hutcheson F 2:00pm - 3:00pm W 6:00pm - 7:00pm	Seats (Total: 15) BPS 1232 Location: TBA

0103	Miao Yu F 5:00pm - 6:00pm Tu 7:30pm - 8:30pm	Seats (Total: 14) Location: TBA JMZ 1103
0104	Richard Yi M 5:30pm - 6:30pm Su 8:00pm - 9:00pm	Seats (Total: 14) JMZ 3205 ELL 0100D
0105	John Fisher M 8:00am - 8:50am W 5:00pm - 5:50pm	Seats (Total: 14) KEB 1200 HBK 0103
0106	Pamela Abshire W 5:00pm - 6:00pm Th 4:00pm - 5:00pm	Seats (Total: 14) ELL 0100A ELL 0100A
0201	Matthew Roesch F 3:00pm - 4:00pm M 9:00pm - 10:00pm	Seats (Total: 14) BPS 1234 Location: TBA
0202	Andrew Lazur Tu 8:00am - 9:00am Th 7:30pm - 8:30pm	Seats (Total: 14) HBK 0108 HBK 1108
0203	Aravind Srinivasan M 6:00pm - 8:00pm	Seats (Total: 14) AVW 3258
0204	Peter Mallios W 5:00pm - 7:00pm	Seats (Total: 14) ASY 3221
0205	Amr Baz M 5:00pm - 6:00pm M 6:00pm - 7:00pm	Seats (Total: 14) EGR 1110 EGR 1110
0208	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 5)

GEMS397 Team Project Seminar IV

GEMS397 Team Project Seminar IV; (2 credits) Grade Method: REG. *Prerequisite: GEMS396; For Gemstone students with junior standing in a research team.* This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day. Restricted to Gemstone Students.

0101	Jeffrey Herrmann W 3:15pm - 4:15pm Th 7:00pm - 8:00pm	Seats (Total: 14) MTH 0102 Location: TBA
0102	Jose Aranda-Espinoza M 8:00am - 9:00am W 5:00pm - 6:00pm	Seats (Total: 14) EGR 1110 WDS 1131
0103	Nam Sun Wang M 8:00pm - 9:00pm F 1:00pm - 2:00pm	Seats (Total: 14) TYD 1108 TYD 2110
0104	Nadine Sahyoun F 1:00pm - 3:00pm	Seats (Total: 14) KEY 0107
0105	Stephanie Grutzmacher M 8:00am - 9:00am W 6:00pm - 7:00pm	Seats (Total: 14) SQH 1111 LEF 0221
0106	Ioannis Bossis W 6:00pm - 7:00pm Su 8:00pm - 9:00pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Chunsheng Wang M 5:30pm - 7:30pm	Seats (Total: 14) PLS 1162
0202	Steven Turley MW 6:00pm - 7:00pm	Seats (Total: 14) ELL 0100D
0203	Kislaya Prasad, Ritu Agarwal W 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA

0204	Michael Zachariah M 7:30pm - 8:30pm F 11:30am - 12:30pm	Seats (Total: 14) ANA 0103 Location: TBA
0205	Brian Bequette W 5:30pm - 6:30pm M 5:30pm - 6:30pm	Seats (Total: 14) Location: TBA JMZ 1120
0206	Charles Carr W 6:30pm - 7:30pm M 7:45pm - 8:45pm	Seats (Total: 14) CHE 2145 CHE 2145
0207	David Tilley M 6:00pm - 7:00pm W 8:00pm - 9:00pm	Seats (Total: 14) ANS 0402 ANS 0402
0209	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 12)

GEMS497 **Team Thesis Defense**

GEMS497 Team Thesis Defense; (2 credits) Grade Method: REG. *Prerequisite: GEMS496. For Gemstone participants only.* Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission. Restricted to Gemstone Students.

0101	Adam Hsieh W 9:00am - 10:00am Su 9:00pm - 10:00pm	Seats (Total: 14) EGR 3111 Location: TBA
0102	Katerina Thompson M 12:00pm - 12:50pm Tu 7:00pm - 7:50pm	Seats (Total: 14) PLS 1158 PLS 1158
0103	Gary Felton W 1:00pm - 2:00pm F 8:00am - 9:00am	Seats (Total: 14) ANS 1420 JMZ 3122
0104	Alexander Chen Th 9:00am - 11:00am	Seats (Total: 14) Location: TBA

0105	Andrea Ottesen Tu 5:00pm - 6:00pm Th 7:30pm - 8:30pm	Seats (Total: 14) PLS 1162 PLS 1113
0106	John Aloimonos Tu 8:30pm - 10:30pm	Seats (Total: 14) TWS 0214
0201	James Purtilo Th 5:00pm - 6:00pm M 8:30pm - 9:30pm	Seats (Total: 14) Location: TBA Location: TBA
0202	James Wallace M 5:30pm - 6:30pm Tu 10:00pm - 10:50pm	Seats (Total: 14) JMZ 1226 Location: TBA
0203	Jae Kun Shim W 11:00am - 12:00pm F 8:00pm - 9:00pm	Seats (Total: 14) SPH 1302 Location: TBA
0204	Raymond Adomaitis M 8:30pm - 9:30pm W 5:30pm - 6:30pm	Seats (Total: 14) KEY 0107 Location: TBA
0205	Ramalingam Chellappa M 5:00pm - 6:00pm M 9:00pm - 10:00pm	Seats (Total: 14) Location: TBA Location: TBA

GEOG Geographical Sciences Spring 2012

GEOG123 Causes and Implications of Global Change

GEOG123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. A unique experience in integrating physical, chemical, geological, and biological sciences with geographical, economic, sociological, and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long- term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow human endeavors. The manner in which to approach decision and policy making related to global change.

0101	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0102	Eric Kasischke, Michael Evans, Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HBK 0103	 Discussion
0103	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0104	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HBK 0108	 Discussion
0105	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	 Discussion

0108	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0109	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 0120	Discussion
0110	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 HBK 0108	Discussion

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 1224	Discussion
0102	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0103	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 JMZ 2206	Discussion
0104	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 BPS 1232	Discussion

0105	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 EDU 0212	Discussion
0106	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 COL 0113	Discussion
0107	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 EDU 1315	Discussion
0108	Ronald Luna MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 BPS 1234	Discussion
0109	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 COL 0100	Discussion
0110	Ronald Luna MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HZF 0106	Discussion

GEOG170 **Introduction to Methods of Geospatial Intelligence and Analysis**

GEOG170 Introduction to Methods of Geospatial Intelligence and Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.

Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics.

0101	Atsushi Nara MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 BPS 1232	Discussion

0102	Atsushi Nara MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 BPS 1124	Discussion
0103	Atsushi Nara MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 HBK 1108	Discussion
0104	Atsushi Nara MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 HBK 0123	Discussion
0105	Atsushi Nara MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0208	Discussion
0106	Atsushi Nara MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 MMH 3418	Discussion
0107	Atsushi Nara MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 ARM 0103	Discussion
0108	Atsushi Nara MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HBK 0115	Discussion
0109	Atsushi Nara MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 PLS 1115	Discussion
0110	Atsushi Nara MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 MMH 3418	Discussion

GEOG202 Introduction to Human Geography

GEOG202 Introduction to Human Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Paul Torrens MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 HBK 1112	 Discussion
0102	Paul Torrens MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 JMZ 1122	 Discussion
0103	Paul Torrens MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 PLS 1184	 Discussion
0104	Paul Torrens MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 COL 0102	 Discussion
0105	Paul Torrens MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 HBK 0108	 Discussion
0106	Paul Torrens MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 EGR 3114	 Discussion
0107	Paul Torrens MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HJP 1125	 Discussion
0108	Paul Torrens MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HJP 1125	 Discussion
0109	Paul Torrens MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 2117	 Discussion

0110	Paul Torrens MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 EGR 1104	 Discussion

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Rachel Marks M 9:00am - 11:00am	Seats (Total: 45) LEF 1124	 Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40.00 lab fee.

0101	In-Young Yeo MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	In-Young Yeo MW 11:00am - 11:50am F 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG310 or GEOG321. Formerly GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney	Seats (Total: 70)
	MWF 3:00pm - 3:50pm	LEF 2166

GEOG313 **Latin America**
Contact department for information to register for this course.

GEOG328A **Topics in Regional Geography; Western Europe: From an Integrated Geographic Persepctive**

GEOG328A Topics in Regional Geography: Western Europe: From an Integrated Geographic Persepctive; (3 credits) Grade Method: REG/P-F/AUD.

0101	Allen Eney	Seats (Total: 70)
	MWF 2:00pm - 2:50pm	LEF 2166

GEOG328B **Topics in Regional Geography; China**

GEOG328B Topics in Regional Geography: China; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shunlin Liang	Seats (Total: 40)
	W 1:00pm - 3:30pm	LEF 1124

GEOG342 **Introduction to Biogeography**

GEOG342 Introduction to Biogeography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201. Recommended: GEOG211. Credit will be granted for only one of the following: GEOG342 or GEOG347. Formerly GEOG347. The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

0101	James Kellner TuTh 12:30pm - 1:45pm	Seats (Total: 50) LEF 2166	

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. Students must pay a $40.00 lab fee.

0101	Stephen Prince MW 9:00am - 10:15am Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Stephen Prince MW 9:00am - 10:15am Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. There is a $40.00 lab fee for this course.

0101	Naijun Zhou M 4:00pm - 6:00pm Tu 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	Naijun Zhou M 4:00pm - 6:00pm W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab

GEOG376 **Introduction to Computer Programming for GIS**

GEOG376 Introduction to Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG373 or permission of department. Corequisite: MATH130, MATH140, or MATH220. Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

0101	Tatiana Loboda MW 12:00pm - 12:50pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	Tatiana Loboda MW 12:00pm - 12:50pm F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney Contact instructor or department for details.	Seats (Total: 10)

GEOG384H **Internship in Geography I**

GEOG384H Internship in Geography I; (3 credits) Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

GEOG385H Internship in Geography II; (3 credits) Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 Honors Research; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397.* First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 Honors Thesis; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG398D **Special Topics in Geography; Issues in African Development**

GEOG398D Special Topics in Geography: Issues in African Development; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP398D.

0101	Sangeetha Madhavan	Seats (Total: 35)
	W 3:00pm - 5:30pm	SQH 1119

GEOG410 **Washington, D.C.: Past and Present**

GEOG410 Washington, D.C.: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG410 or GEOG454. Formerly GEOG454. This course is designed as a field study of Washington, D.C. from its origin as the Federal Capital to its role in the development of the metropolitan area. Through lectures and extensive field trips, the course will focus on the symbiosis and interrelation of Washington, D.C. and its region: historical, socio-economic, spatial and environmental.

0101	Mila Zlatic	Seats (Total: 25)
	Tu 2:00pm - 4:30pm	LEF 1220

GEOG413 **Migration: Latin America and the United States**

GEOG413 Migration: Latin America and the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG313 or permission of department. Recommended: HIST250, USLT201, or LASC234. Credit will be granted for only one of the following: GEOG413 or GEOG498M. Formerly GEOG498M. Develops an understanding of the push and pull factors that have contributed to human mobility (migration) that has transformed the Americas. The class is divided in two parts: immigration and emigration from Latin American and Latin America migration to the United States. We will be interested in studying the migration shifts that have occurred in Latin America and the theories that help explain them. The themes that will be addressed are the history of migration with Latin America and to North America, the impact of this migration on both sending and receiving countries, and the various policy strategies and issues concerning migration.

0101	Ronald Luna	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TYD 2102

GEOG415 **Land Use, Climate Change, and Sustainability**

GEOG415 Land Use, Climate Change, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG123, GEOG306, or permission of department. Recommended: GEOG201/211, GEOG340, GEOG342, or GEOG331. Credit will be granted for only one of the following: GEOG415 or GEOG498D. Formerly GEOG498D. The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

0101	Evan Ellicott TuTh 12:30pm - 1:45pm	Seats (Total: 50) LEF 1124

GEOG435 **Population Geography**

GEOG435 Population Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG422 or GEOG435. Formerly GEOG422. The spatial characteristics of population distribution and growth, migration, fertility and mortality from a global perspective. Basic population-environmental relationships; carrying capacity, density, relationships to national development.

0101	Mila Zlatic TuTh 11:00am - 12:15pm	Seats (Total: 50) LEF 1124

GEOG441 **The Coastal Ocean**

GEOG441 The Coastal Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG140 or equivalent; or permission of department. Recommended: GEOG201 and GEOG211. Credit will be granted for only one of the following: GEOG441 or GEOG498C. Formerly GEOG498C. Introduction to coastal oceanography, focusing on the physical, biological, and geological aspects of ocean areqs on the inner continental shelves. Wave, currents, and tidal dynamics of bays, open coast, estuaries, and deltas. Sedimentary environments of major coastal types. Ecology and biogeochemical relationships, including benthic and planktonic characteristics. Coastal evolution with sea level rise. Human impacts: eutrophication, modification of sedimentation. The coastal future: rising sea level, hypoxia, and increased storminess.

0101	Michael Kearney MW 11:00am - 12:15pm	Seats (Total: 40) LEF 1124

GEOG445 **Climatology**

GEOG445 Climatology; (3 credits) Grade Method: REG.
Prerequisite: GEOG345. Credit will be granted for only one of the following: GEOG445 or GEOG446. Formerly GEOG446. Quantitative investigations into the Earth's radiation balance, water cycle, and the interrelationship of climate and vegetation. Methodologies in climate research. Case studies related to global climatic change.

0101	Eric Vermote TuTh 5:00pm - 6:15pm	Seats (Total: 50) LEF 1124	

GEOG473 **Geographic Information Systems and Spatial Analysis**

GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306 and GEOG373. Credit will be granted for only one of the following: GEOG473 or GEOG482. Formerly GEOG482. Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. Students must pay a $40.00 lab fee.

0101	Naijun Zhou Tu 5:00pm - 7:00pm W 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou Tu 5:00pm - 7:00pm W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG498N **Topical Investigations; Conceptualizing and Modeling Human-Environmental Interactions**

GEOG498N Topical Investigations: Conceptualizing and Modeling Human-Environmental Interactions; (3 credits) Grade Method: REG/P-F/AUD.

0101	Klaus Hubacek Tu 2:00pm - 4:30pm	Seats (Total: 50) LEF 1124	

GEOG498R **Topical Investigations; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

GEOG498R Topical Investigations: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Hansen	Seats (Total: 25)	
	M 1:00pm - 3:00pm	LEF 1220	
	W 9:00am - 11:00am	LEF 1136	Lab

GEOG600 **Introduction to Human Geography**

GEOG600 Introduction to Human Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduces students to current trends and developments in human geography in the areas of geography as social science, space and place, and human dimensions of global change, and to research procedures in this field.

0101	Eric Kasischke, Martha Geores	Seats (Total: 40)	
	M 3:00pm - 5:30pm	LEF 1124	

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611.* Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

GEOG606 Quantitative Spatial Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOG 305; or permission of department. Credit will be granted for only one of the following: GEOG 605 or GEOG 606. Formerly GEOG605.* Multivariate statistical method applications to spatial problems. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation. Students must pay a $40.00 lab fee.

0101	Kuan Song, Chengquan Huang	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	LEF 1171

GEOG657 **Web Programming**

Contact department for information to register for this course.

GEOG672 **Biophysics of Optical Remote Sensing**

GEOG672 Biophysics of Optical Remote Sensing; (3 credits) Grade Method: REG/AUD.

Prerequisite: GEOG472 or equivalent; or permission of department. Biophysical principles, phenomena and processes underlying multispectral remote sensing in the optical portion of the EM spectrum. Includes computer-based exercises that explore the biophysical basis of land patterns and dynamics observed in remote sensing data.

0101	Samuel Goward	Seats (Total: 20)
	W 1:00pm - 3:30pm	LEF 1171

GEOG674 **GIS Spatial Databases**

GEOG674 GIS Spatial Databases; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG473 or equivalent. Credit will be granted for only one of the following: GEOG674 or GEOG696. Formerly GEOG696. Introduces fundamental concepts and practical skills required to design, implement and use GIS databases. Students will learn to store and represent geospatial data in databases, design and create a spatial database, manage and query geospatial data, and deliver and present geospatial data. Students must pay a $40 lab fee.

0101	Naijun Zhou	Seats (Total: 20)
	M 6:00pm - 8:30pm	LEF 1171

GEOG676 **Advanced Programming for Geography and Remote Sensing**

GEOG676 Advanced Programming for Geography and Remote Sensing; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG376 or permission of department. Comprehensive instruction is provided in the advanced use of a commercial programming language and analysis tool used for scientific programming and data visualization, with an emphasis on applications in geography and remote sensing or GIS. Students must pay a $40 lab fee.

0101	Louis Giglio	Seats (Total: 20)
	Th 5:00pm - 7:30pm	LEF 1171

GEOG738C **Seminar in Human Geography; ENVIRONMENTAL JUSTICE**

GEOG738C Seminar in Human Geography: ENVIRONMENTAL JUSTICE; (3 credits) Grade Method: REG/AUD.

0101	Martha Geores	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	LEF 1171

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788M **Selected Topics in Geography; Migration: Latin America and the United States**

GEOG788M Selected Topics in Geography: Migration: Latin America and the United States; (3 credits) Grade Method: REG/AUD/S-F.

0101	Ronald Luna	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	TYD 2102	

GEOG788R **Selected Topics in Geography; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

GEOG788R Selected Topics in Geography: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits) Grade Method: REG/AUD/S-F.

0101	Matthew Hansen	Seats (Total: 25)	
	M 1:00pm - 3:00pm	LEF 1220	
	W 9:00am - 11:00am	LEF 1136	Lab

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG797 **Professional Project**
Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Seminar Series**

GEOG798 Selected Topics in Geography: Seminar Series: Seminar Series; (1 credit) Grade Method: REG/AUD.

0101	Klaus Hubacek	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Spring 2012

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 95) JMP 3201	
0201	Aaron Martin TuTh 2:00pm - 3:15pm	Seats (Total: 95) BPS 1243	

GEOL102 **Historical Geology**

GEOL102 Historical Geology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL100 or GEOL120, and GEOL110 or permission of department. In addition, non-degree seeking students require the permission of the instructor.* Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

0101	Thomas Holtz MWF 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 24) PLS 1113 GEO 2107	 Lab

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 lab materials fee.

0101	Aaron Martin M 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	 Lab
0110	Aaron Martin Tu 12:30pm - 3:30pm	Seats (Total: 20) GEO 2106	 Lab
0201	Aaron Martin M 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	 Lab
0301	Aaron Martin Tu 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	 Lab

0401	Aaron Martin Tu 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	Lab
0501	Aaron Martin Th 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	Lab
0601	Aaron Martin Th 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	Lab
0801	Aaron Martin Th 12:30pm - 3:30pm	Seats (Total: 20) GEO 2106	
0901	Aaron Martin W 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0201	Sujay Kaushal TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1180	Discussion
0202	Sujay Kaushal TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1180	Discussion
0203	Sujay Kaushal TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1180	Discussion

0204	Sujay Kaushal TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1176	Discussion
BL01	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*	Seats (Total: 20) JMP 3201 CSS 3330	Discussion
BL02	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*	Seats (Total: 20) JMP 3201 CSS 3330	Discussion

GEOL123 **Causes and Implications of Global Change**

GEOL123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOG123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. This course offers a unique experience in integrating physical, chemical, geologic, and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	Discussion

0102	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HBK 0103	Discussion
0103	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0104	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HBK 0108	Discussion
0105	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0108	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0109	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 0120	Discussion
0110	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 HBK 0108	Discussion

GEOL200 Earth's Fury: Earthquakes, Volcanoes, and Tsunami

GEOL200 Earth's Fury: Earthquakes, Volcanoes, and Tsunami; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Earthquakes, volcanic eruptions, and tsunami frequently remind us of the dangers associated with living on a constantly changing planet. How do people prepare for these rare but dramatic events? Student will study the science behind earhquakes and volcanoes, how it guides monitoring, forecasting, prevention, and response, and the cultural and ethical aspects of these events.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Laurent Montesi TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1115	 Discussion
0102	Laurent Montesi TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1115	 Discussion
0103	Laurent Montesi TuTh 2:00pm - 3:15pm M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1115	 Discussion
0104	Laurent Montesi TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion
0105	Laurent Montesi TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion
0106	Laurent Montesi TuTh 2:00pm - 3:15pm W 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion

GEOL204 **Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past**

GEOL204 Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Examination of evidence used to reconstruct critical events in the history of life by looking at case studies of significant evolutionary origins, transitions, and extinctions; addressing the role of paleontology in human society, including science education, conservation, and the media.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Thomas Holtz TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion
0102	Thomas Holtz TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion
0103	Thomas Holtz TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1158	 Discussion
0104	Thomas Holtz TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1168	 Discussion
0105	Thomas Holtz TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1168	 Discussion
0106	Thomas Holtz TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1168	 Discussion

GEOL310 **Forensic Geology and Homeland Security**

GEOL310 Forensic Geology and Homeland Security; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH110, CHEM131, and GEOL100; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. An introduction to the fundamentals of forensic science with special reference to the application of geological techniques, and to the applications of Earth science in understanding problems in homeland security and hazardous materials response.

0101	Philip Candela	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PLS 1117	

GEOL322 **Mineralogy**

GEOL322 Mineralogy; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110; and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}; or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Laura Hebert	Seats (Total: 24)	
	TuTh 8:00am - 9:15am	PLS 1115	
	Tu 12:00pm - 3:00pm	GEO 2107	Lab

GEOL340 **Geomorphology**

GEOL340 Geomorphology; (4 credits) Grade Method: REG/P-F/AUD.
Two Saturday field trips. Prerequisite: GEOL100 or GEOL120. In addition, non-degree-seeking students require the permission of the instructor. Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

0101	Karen Prestegaard	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	PLS 1117	
	W 10:00am - 1:00pm	GEO 2107	Lab

GEOL342 **Sedimentation and Stratigraphy**

GEOL342 Sedimentation and Stratigraphy; (4 credits) Grade Method: REG/P-F. *Prerequisite: GEOL100 or GEOL120; GEOL110; and GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132} or {CHEM135 and CHEM136}. In addition, non-degree-seeking students require the permission of the instructor.* Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

0102	Alan Kaufman	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PLS 1113	
	Tu 12:30pm - 3:30pm	GEO 2117	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Geology Senior Thesis I: Proposal**

GEOL393 Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG. *Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor.* The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela	Seats (Total: 10)	
	W 4:30pm - 6:30pm	PLS 1113	
	Contact instructor or department for details.		

GEOL393H **Geology Senior Thesis I: Proposal**

GEOL393H Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela	Seats (Total: 10)
	W 4:30pm - 6:30pm	PLS 1113
	Contact instructor or department for details.	

GEOL394 **Geology Senior Thesis II: Research**

GEOL394 Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL394H **Geology Senior Thesis II: Research**

GEOL394H Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards. For general honors students only.

Contact department for information to register for this course.

GEOL437 **Global Climate Change: Past and Present**

GEOL437 Global Climate Change: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115 or MATH140; GEOL100 or GEOL120, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. The goal of the course is to highlight the fact that global climate change is part of the Earth's past as well as of its present and future. Changes in climate that have occurred in the geologic past can be viewed as the Earth's natural climate variability. These changes are different from, though could be linked with, historical and present anthropogenically-induced climate change. We will discuss the modern climate system, the factors capable of forcing climate change on various time scales, the geologic proxies of past climate change and what these proxies tell us. Finally, we will compare and contrast past climate change with what is understood (and not understood) about modern climate change.

0101	Michael Evans	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1162

GEOL443 **Petrology**

GEOL443 Petrology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, and GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. Corequisite: GEOL423 or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

0101	Richard Walker, Sarah Penniston-Dorland	Seats (Total: 15)	
	TuTh 8:00am - 9:15am	PLS 1113	
	Th 1:00pm - 4:00pm	GEO 2117	Lab

GEOL451 **Groundwater**

GEOL451 Groundwater; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH140, GEOL100 or GEOL120, GEOL110 and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Junior standing. An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 42)
	TuTh 4:15pm - 5:30pm	PLS 1119

GEOL455 **Marine Geophysics**

GEOL455 Marine Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120, MATH140, MATH141; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL455 or GEOL489E. Formerly GEOL489E. Plate tectonics, earthquakes and faulting, isostasy and gravity, heat and mantle dynamics, ocean ridges and transform faults, hydrothermal vents, trenches and oceanic islands, subduction zones, accretionary and erosion wedges, sedimentary basins and continental rifts. Exploration of the oceans using geophysical methods.

0101	Wenlu Zhu	Seats (Total: 10)
	W 12:00pm - 3:00pm	PLS 1158

GEOL457 **Seismology**

GEOL457 Seismology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120, GEOL110, MATH140, MATH141; or permission of department. Recommended: PHYS141, PHYS161, or PHYS171. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL457 or GEOL489A. Formerly GEOL489A. General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Laurent Montesi	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PLS 1115	

GEOL471 **Geochemical Methods of Analysis**

GEOL471 Geochemical Methods of Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103; and CHEM113. In addition, non-degree-seeking students require the permission of the instructor. Principles and application of geochemical analysis as applied to a variety of geological problems. X-ray and optical spectroscopy, X-ray diffraction, atomic absorption, electron microprobe, and electron microscopy.

0101	William McDonough	Seats (Total: 10)	
	M 1:30pm - 2:50pm	PLS 1172	
	W 1:30pm - 2:50pm	PLS 1172	Discussion

GEOL472 **Tectonics**

GEOL472 Tectonics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, GEOL102, and GEOL341; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Study of the development of the lithosphere on Earth and other rocky planets and moons. Emphasis on student-led discussions. Improvement of scientific writing.

0101	Aaron Martin	Seats (Total: 10)	
	W 9:00am - 12:00pm	PLS 1158	

GEOL489F **Special Topics; Stable Isotope Geochemistry: Fundamentals and Applications**

GEOL489F Special Topics: Stable Isotope Geochemistry: Fundamentals and Applications; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Farquhar	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	PLS 1162	

GEOL489R **Special Topics; Geoscience Communications**

GEOL489R Special Topics: Geoscience Communications; (3 credits) Grade Method: REG/P-F/AUD.
This seminar will explore the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students. Formerly: GEOL489S.

0101	Alan Kaufman	Seats (Total: 10)	
	F 8:00am - 10:30am	HBK 0103	

GEOL497H **Recent Advances: Geology**

GEOL497H Recent Advances: Geology; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Geology majors with a GPA of 3.0 or better in both overall and in all courses required for the major. Prerequisite: Junior standing and a minimum of 2 upper level GEOL courses with at least a third GEOL course; and GEOL393 concurrent. Credit will be granted for only one of the following: GEOL497 or GEOL489H. Formerly GEOL489H.* A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

0101	Michael Brown	Seats (Total: 10)	
	W 8:00am - 8:50am	PLS 1172	
	M 4:00pm - 6:00pm	PLS 1146	Lab

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL654 **Fluvial Geomorphology Seminar**

GEOL654 Fluvial Geomorphology Seminar; (3 credits) Grade Method: REG/AUD. *Recommended: GEOL340 and GEOL452. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL654 or GEOL789B. Formerly GEOL789B.* Fluvial geomorphology is the study of the movement of water and sedimentin stream channels. This includes: formation of channels, open channel hydraulics, sediment transport or bedload and suspended load, river morphology and landscape evolution. The course is designed for graduate students and advanced undergraduates.

0101	Karen Prestegaard	Seats (Total: 12)
	W 4:00pm - 6:30pm	PLS 1172

GEOL655 **Marine Geophysics**

GEOL655 Marine Geophysics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Recommended: (GEOL100 or GEOL120) and MATH141. In addition, non-degree-seeking students require the permission of the department. Credit will be granted for only one of the following: GEOL672 or GEOL789E. Formerly GEOL789E.* An introduction to geophysical aspects of global tectonics. Quantitative geophysical approached are introduced for: past and present plate motions, seismology and interior of the Earth, gravity and isostasy, heat and mantle dynamics. Ocean ridges, hydrothermal vents, transform faults, oceanic core complex, ocean trenches and subduction zones, accretionary anderosion wedges, rift and rift margins, convergence and collisons, sedimentary basins.

0101	Wenlu Zhu	Seats (Total: 10)	
	W 12:00pm - 3:00pm	PLS 1158	

GEOL657 **Seismic Wave Propagation**

GEOL657 Seismic Wave Propagation; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Recommended: (GEOL100 or GEOL120), and PHYS161, and (MATH241 and MATH246). In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL657 or GEOL789A. Formerly GEOL789A.* A description of the physics of seismic wave propagation and their applications to the determination of the structure of the Earth and the mechanics of earthquakes.

0101	Laurent Montesi	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PLS 1115	

GEOL671 **Analytical Methods in Mineralogy**

GEOL671 Analytical Methods in Mineralogy; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOL422; and CHEM471. In addition, non-degree-seeking students require the permission of the instructor.* An intensive study in the operation and application of instrumentation in mineralogical problems. Emphasis on designing and testing methods of analysis for use in the student's research problems in geology.

0101	William McDonough	Seats (Total: 10)	
	M 1:30pm - 2:50pm	PLS 1172	
	W 1:30pm - 2:50pm	PLS 1172	Discussion

GEOL672 **Tectonics**

GEOL672 Tectonics; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOL341; or permission of department. In addition, non-degree-seeking students require the permission of the department. Credit will be granted for only one of the following: GEOL672 or GEOL789C. Formerly GEOL789C.* The study of the development of the lithosphere on Earth and other rocky planets and moons. Emphasis on the student led discussion and improvement of scientific writing.

0101	Aaron Martin	Seats (Total: 10)	
	W 9:00am - 12:00pm	PLS 1158	

GEOL789F **Recent Advances in Geology; Stable Isotope Geochemistry: Fundamentals and Applications**

GEOL789F Recent Advances in Geology: Stable Isotope Geochemistry: Fundamentals and Applications; (2-4 credits) Grade Method: REG/AUD.

0101	James Farquhar	Seats (Total: 10)
	TuTh 9:30am - 10:45am	PLS 1162

GEOL789I **Recent Advances in Geology; Advanced Topics in Forensic Geology and Homeland Security**

GEOL789I *(PermReq)* **Recent Advances in Geology: Advanced Topics in Forensic Geology and Homeland Security; (3 credits)** Grade Method: REG/AUD. Fourth amendment and legal basis for forensic science. Forensic mineralogy. Analysis of firearms solids. Science of explosives and the environment. Forensic geophysics. Homeland Security. Radiation. Atmospheric plumes and urban terrains.

0101	Philip Candela, Philip Piccoli	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1117

GEOL789R **Recent Advances in Geology; Geoscience Communications**

GEOL789R Recent Advances in Geology: Geoscience Communications; (2-4 credits) Grade Method: REG/AUD.
Explores the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students. Formerly: GEOL789S.

0101	Alan Kaufman	Seats (Total: 25)
	F 8:00am - 10:30am	HBK 0103

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Spring 2012

GERM103 **Intensive Elementary German**

Students with no experience in the language are invited to register for GERM103.
GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, or to fluent/native speakers of German. Prerequisite: Appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Jeremy Wolff MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0120 JMZ 2117
0301	Melda Baysal Walsh MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) KEY 0123 KEY 0123

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or appropriate Foreign Language Placement Testing (FLPT) score. Not open to students who have completed GERM201, GERM202, or to fluent/native of German speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Claudia Biester MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) JMZ 1122 JMZ 1120
0201	Claudia Biester MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1120 JMZ 0208

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203 or appropriate Foreign Language Placement Testing (FLPT) score. Not open to fluent/native speakesr of German. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Katharina Rudolf TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2117

GERM281 **Women in German Literature and Society**

GERM281 Women in German Literature and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST281. Credit will be granted for only one of the following: GERM281 or WMST281. A study of changing literary images and social roles of women from the beginning of the 19th century to the present. Taught in English.

0101	Elke Frederiksen TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 3205

GERM285 **German Film and Literature**

GERM285 German Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A visual approach to German literature through a study of the historical, cultural, and literary significance of German films. Representative examples from the golden age of German silent films to the new German cinema. Taught in English.

0101	Peter Beicken	Seats (Total: 50)
	Tu 12:30pm - 3:00pm	HBK 0302H
	Th 12:30pm - 2:00pm	HBK 0302H

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Victoria Finney	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	PLS 1176

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Ina Sammler	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 1224

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**
Contact department for information to register for this course.

GERM320 **Survey of German Studies**

GERM320 Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GERM301 or equivalent.* Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HBK 0302H

GERM320H **Survey of German Studies**

GERM320H Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GERM301 or equivalent.* Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HBK 0302H

GERM369C **Special Topics in Study Abroad III; German Composition I**
Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**
Contact department for information to register for this course.

GERM369L **Special Topics in Study Abroad III; Contemporary German Literature**
Contact department for information to register for this course.

GERM386 **Experiential Learning**

GERM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Supervised reading to be taken normally only by students admitted into honors program.

Contact department for information to register for this course.

GERM399 **Selected Topics in Germanic Studies**
Contact department for information to register for this course.

GERM403 **Advanced Composition: German Cultural and Social Issues**

GERM403 Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Gabriele Strauch	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 1122

GERM403H **Advanced Composition: German Cultural and Social Issues**

GERM403H Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Gabriele Strauch	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 1122

GERM411 **German for International Business I**
Contact department for information to register for this course.

GERM423 **From Enlightenment through Storm and Stress**

GERM423 From Enlightenment through Storm and Stress; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM320, GERM321, or GERM322; or permission of department.
Readings of representative authors from the Enlightenment (1720- 1785), the Age of Sentimentalism (1740-1780), and Storm and Stress (1767-1785). Taught in German.

0101	Katharina Rudolf	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 3205

GERM463 **The World of the Viking Sagas**

GERM463 The World of the Viking Sagas; (3 credits) Grade Method: REG/P-F/AUD.
An in-depth analysis of the Old Norse/Viking sagas of Medieval Scandinavia as literature historiography and folklore. Readings include Sagas of the Icelanders, Kings Sagas and Heroic/Mythical Sagas. Taught in English.

0101	Rose-Marie Oster	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2123

GERM498 **Honors Thesis Writing**
Contact department for information to register for this course.

GERM498H **Honors Thesis Writing**

GERM498H Honors Thesis Writing; (3 credits) Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM689A **Special Topics - M.A. Level; The 18th Century: Gender and War**

GERM689A Special Topics - M.A. Level: The 18th Century: Gender and War; (3 credits) Grade Method: REG/AUD.
Also offered as GERM828A.

0101	Julie Koser	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	JMZ 3205

GERM689E **Special Topics - M.A. Level; Epochenproblematik: Issues in the German Literary Canon**

GERM689E Special Topics - M.A. Level: Epochenproblematik: Issues in the German Literary Canon; (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 3205

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM828A **Seminar: The 18th Century; Gender and War**

GERM828A Seminar: The 18th Century: Gender and War; (3 credits) Grade Method: REG/AUD.
Also offered as GERM689A.

0101	Julie Koser	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	JMZ 3205

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM889E **Seminar in Germanic Area Studies; Epochenproblematik: Issues in the German Literary Canon**

GERM889E Seminar in Germanic Area Studies: Epochenproblematik: Issues in the German Literary Canon; (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen	Seats (Total: 10)	
	Th 5:00pm - 7:30pm	JMZ 3205	

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Spring 2012

GREK102 **Elementary Ancient Greek II**

GREK102 Elementary Ancient Greek II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK101 or equivalent.* Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

0101	Lillian Doherty	Seats (Total: 15)	
	MWF 2:00pm - 2:50pm	ARM 0120	
	W 1:00pm - 1:50pm	ARM 0120	Discussion

GREK112 **Elementary Modern Greek II**

GREK112 Elementary Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Prerequisite: GREK111 or permission of instructor. Credit will be granted for only one of the following: FOLA109G or GREK112. Formerly FOLA109G.* It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 24)
	MWF 12:00pm - 12:50pm	ASY 3221

GREK212 **Intermediate Modern Greek II**

GREK212 Intermediate Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK211 or permission of instructor. Credit will be granted for only one of the following: FOLA119G or GREK212. Formerly FOLA119G.* A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MW 2:00pm - 3:15pm	WDS 1127

GREK311 **Readings and Conversations**

GREK311 Readings and Conversations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK212 or equivalent and permission of instructor.* Designed to help the student improve skills in conversation and reading. Students will be expected to read and discuss moderately advanced Greek texts on a variety of subjects and in a variety of styles.

0101	Polyvia Parara	Seats (Total: 10)
	MWF 10:00am - 10:50am	MMH 1218

GREK388N **Intermediate Ancient Greek Readings; New Testament Greek**

GREK388N Intermediate Ancient Greek Readings: New Testament Greek; (3 credits) Grade Method: REG/P-F/AUD.
Taught in Greek.

0101	Joan Burton	Seats (Total: 20)
	MW 3:30pm - 4:45pm	SYM 0215

GREK472 **History and Development of the Greek Language**

GREK472 History and Development of the Greek Language; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Eva Stehle	Seats (Total: 15)
	Tu 5:00pm - 7:40pm	MMH 3418

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK672 **History and Development of the Greek Language**

GREK672 History and Development of the Greek Language; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Eva Stehle Tu 5:00pm - 7:40pm	Seats (Total: 10) MMH 3418	

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Spring 2012

GVPT100 **Scope and Methods for Political Science Research**

GVPT100 Scope and Methods for Political Science Research; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to empirical research in political science.

0201	David Cunningham MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TLF 1101	Discussion
0202	David Cunningham MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 1102	Discussion
0203	David Cunningham MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 JMZ 2122	Discussion
0204	David Cunningham MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TLF 1101	Discussion

0205	David Cunningham MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 EDU 0114	Discussion
0206	David Cunningham MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 EDU 3233	Discussion
0207	David Cunningham MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 EDU 2101	Discussion
0208	David Cunningham MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 EDU 3236	Discussion
0209	David Cunningham MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 JMZ 3205	Discussion
0210	David Cunningham MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 JMZ 3120	Discussion
0211	David Cunningham MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 JMZ 3205	Discussion
0212	David Cunningham MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 2102	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A comprehensive study of national government in the United States.

0101	Patrick Wohlfarth MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 JMZ 0118	Discussion

0102	Patrick Wohlfarth MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 JMZ 1224	Discussion
0103	Patrick Wohlfarth MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ARM 0103	Discussion
0104	Patrick Wohlfarth MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 COL 0100	Discussion
0105	Patrick Wohlfarth MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 HBK 0109	Discussion
0106	Patrick Wohlfarth MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 HBK 0103	Discussion
0201	Kristina Miler TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 2102	Discussion
0202	Kristina Miler TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 LEF 1222	Discussion
0203	Kristina Miler TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1102	Discussion
0204	Kristina Miler TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HZF 0101	Discussion
0205	Kristina Miler TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 1132	Discussion

0206	Kristina Miler TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 1102	Discussion

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Todd Allee MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) KEY 0106 JMZ 2117	Discussion
0102	Todd Allee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 EGR 2154	Discussion
0103	Todd Allee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 CHM 1224	Discussion
0104	Todd Allee MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) KEY 0106 JMZ 0122	Discussion
0105	Todd Allee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 EGR 0108	Discussion
0106	Todd Allee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 CHM 0122	Discussion
0107	Todd Allee MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 SQH 1123	Discussion

0108	Todd Allee MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 JMZ 0120	 Discussion
0109	Todd Allee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 CHM 1228	 Discussion

GVPT217 **Mock Trial I: Introduction to Trial Advocacy**

GVPT217 *(PermReq)* **Mock Trial I: Introduction to Trial Advocacy; (3 credits)**
Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GVPT217 or GVPT319A. Formerly GVPT319A. Introduction to the basic fundamentals of trial advocacy including opening statement, closing argument, direct and cross examination, and all other facets of trial advocacy through a series of lectures and practice trials. Students may have an opportunity to compete in intercollegiate mock trial competition based on their skill level and demonstrated understanding of trial advocacy principles.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 40) TYD 2102	

GVPT240 **Political Ideologies**
Contact department for information to register for this course.

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Charles Alford TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 JMZ 0125	 Discussion
0102	Charles Alford TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 TYD 1101	 Discussion

0103	Charles Alford TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0130 TYD 1101	 Discussion
0104	Charles Alford TuTh 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TYD 0130 TYD 1101	 Discussion
0105	Charles Alford TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0130 TYD 1101	 Discussion
0106	Charles Alford TuTh 4:00pm - 4:50pm F 2:00pm - 2:50pm	Seats (Total: 20) TYD 0130 TYD 1101	 Discussion
0107	Charles Alford TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 JMZ 1122	 Discussion
0108	Charles Alford TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 COL 0102	 Discussion

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**
Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**
Contact department for information to register for this course.

GVPT258D **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**
Contact department for information to register for this course.

GVPT258N **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**
Contact department for information to register for this course.

GVPT258R **Introduction to Political Science Topics in Study Abroad; Peace & Conflict Honors Seminar II: Regional Conflicts**

Contact department for information to register for this course.

GVPT273 **Introduction to Environmental Politics**

GVPT273 Introduction to Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD.

An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

0101	Jennifer Hadden TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 JMP 1109	Discussion
0102	Jennifer Hadden TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 JMP 1202	Discussion
0103	Jennifer Hadden TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 JMP 1109	Discussion

GVPT280 **Comparative Politics and Governments**

GVPT280 Comparative Politics and Governments; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: GVPT100. An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

0101	Isabella Alcaniz MW 10:00am - 11:15am	Seats (Total: 67) KEY 0102

GVPT289B **Special Topics in Government and Politics; Globalization**

Contact department for information to register for this course.

GVPT289D **Special Topics in Government and Politics; Understanding U.S. Foreign Policy Towards Afghanistan**

GVPT289D Special Topics in Government and Politics: Understanding U.S. Foreign Policy Towards Afghanistan; (3 credits) Grade Method: REG/P-F/AUD.

0101	Temim Nusraty	Seats (Total: 20)
	Th 6:00pm - 8:30pm	ANA 0120

GVPT289E	**Special Topics in Government and Politics; Economy and Society** **Contact department for information to register for this course.**
GVPT289G	**Special Topics in Government and Politics; Global Perspectives on Development** **Contact department for information to register for this course.**
GVPT289P	**Special Topics in Government and Politics; Citizenship and Ethics** **Contact department for information to register for this course.**
GVPT289T	**Special Topics in Government and Politics; Issues and Controversies in 21st Century** **Contact department for information to register for this course.**
GVPT289X	**Special Topics in Government and Politics; Introduction to the European Union** **Contact department for information to register for this course.**
GVPT289Y	**Special Topics in Government and Politics; Theories of Peace and Conflict** **Contact department for information to register for this course.**
GVPT309H	**Topics in International Relations; British Politics** **Contact department for information to register for this course.**
GVPT309I	**Topics in International Relations; Cleavages in Israel - and the Search for Common Ground** **Contact department for information to register for this course.**
GVPT317	**Mock Trial II: Advanced Trial Advocacy**

GVPT317 *(PermReq)* **Mock Trial II: Advanced Trial Advocacy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT217. Credit will be granted for only one of the following: GVPT317 or GVPT319B. Formerly GVPT319B. Development of trial advocacy skills through participation in practice trials and intercollegiate mock trial competitions. Student may have an opportunity to represent the university in intercollegiate mock trial tournaments, including the National Mock Trial Championships.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 50) TYD 2111	

GVPT319B **Topics in Social Advocacy; Mock Trial Independent Study**
Contact department for information to register for this course.

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231. A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Robert Koulish TuTh 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 EDU 3233	 Discussion
0102	Robert Koulish TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 EDU 1121	 Discussion
0103	Robert Koulish TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 EDU 2101	 Discussion
0201	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 TYD 0101	 Discussion

0202	Alan Nemeth MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 1114	Discussion
0203	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 1108	Discussion

GVPT349 **Topics in Political Philosophy**
Contact department for information to register for this course.

GVPT349P **Topics in Political Philosophy; Political Theory and Political Violence**

GVPT349P Topics in Political Philosophy: Political Theory and Political Violence; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Glass M 3:30pm - 6:15pm	Seats (Total: 20) TYD 0101	

GVPT349Z **Topics in Political Philosophy; Political Thought**
Contact department for information to register for this course.

GVPT355 **Capstone I: International Development and Conflict Management**

GVPT355 *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Recommended: GVPT354. Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced level analysis of theories of international development and conflict management.

0101	Kathleen Cunningham TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 JMZ 1215	Discussion
0102	Kathleen Cunningham TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 0102	Discussion

0103	Kathleen Cunningham TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 JMP 2202	 Discussion

GVPT356 **Capstone II: International Development and Conflict Management**

GVPT356 *(PermReq)* **Capstone II: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Recommended: GVPT354. Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on real world experience and best practices and designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevent to the fields of international development, humanitarian relief and conflict management.

0101	Christy Martins M 3:30pm - 6:15pm	Seats (Total: 40) TYD 2109

GVPT358E **Study Abroad Seminar in Political Science; Sino-U.S. Relations and the Rise of Asia**
Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**
Contact department for information to register for this course.

GVPT358J **Study Abroad Seminar in Political Science; Chinas Media and Politics in the Context of Globalization**
Contact department for information to register for this course.

GVPT358P **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**
Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**
Contact department for information to register for this course.

GVPT359 **Topics in Comparative Politics**
Contact department for information to register for this course.

GVPT359Z **Topics in Comparative Politics; Parliament, Politics and Policy Making**

Contact department for information to register for this course.

GVPT360 **International Negotiations**

GVPT360 International Negotiations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: GVPT200. A study of the complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

0101	Daniella Fridl WF 1:00pm - 1:50pm M 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 JMZ 2120	 Discussion
0102	Daniella Fridl WF 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 25) TYD 0117 JMZ 3203	 Discussion
0103	Daniella Fridl WF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 25) TYD 0117 JMZ 3203	 Discussion

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics. GVPT majors only and departmental permission to register.

0101	Stephen Yoder Contact instructor or department for details.	Seats (Total: 30)	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making. GVPT majors only and must have departmental permission to register.

0101	Stephen Yoder M 6:30pm - 9:15pm	Seats (Total: 45) TYD 0101

GVPT378B **Special Topics in Government and Politics; Israel and International Development**

GVPT378B Special Topics in Government and Politics: Israel and International Development; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL449B and PUAF388B. This course focuses on Israel's international cooperation for human development in the context of core issues such as poverty, governance and capacity building. Through case studies, the course also offers a practical grasp of the tools of development from project design through evaluation and lesson learning.

0101	Jacques Roumani TuTh 11:00am - 12:15pm	Seats (Total: 40) EGR 1108

GVPT379C **Topics in American Politics; Civil Rights**

GVPT379C Topics in American Politics: Civil Rights; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Brent Newton W 6:30pm - 9:10pm	Seats (Total: 20) BLD3 4219
	Limit to CCJS students at Shady Grove. A study of Civil rights in the American constitutional context, emphasizing issues related to equal rights and discrimination. The topics will include, chronologically, the Constitutional Convention (as it addressed equal rights), slavery and abolition, the Civil War/Reconstruction era, the 'Jim Crow' era, the Women's Rights Movement, the Civil Rights Movement, affirmation action, and current legal developments concerning gay and lesbian rights and the rights of non-citizens. The course will focus on legal rights and remedies related to these different types of discrimination.	

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
GVPT majors only and must have departmental permission to register.

0101	Brittany Bramlett M 6:30pm - 9:15pm	Seats (Total: 50) TYD 1132

GVPT388M **Topical Investigations; Mock Trial Independent Study**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial Independent Study; (1 credit)** Grade Method: REG/P-F.
Prerequisite: Permission of department.

0101	Mark Graber W 6:30pm - 9:30pm	Seats (Total: 40) TYD 2108

GVPT388P **Topical Investigations; Maryland Internship Program**

GVPT388P *(PermReq)* **Topical Investigations: Maryland Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
Must have departmental permission to register.

0101	Robert Koulish	Seats (Total: 20)
	Tu 6:30pm - 9:15pm	TYD 1101

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT390 **Game Theory**

GVPT390 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed ECON414. Credit will be granted for only one of the following: GVPT399A, GVPT390, or ECON414. Formerly GVPT399A. Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utlity theory, Nash equilibria, subgame perfection, repeated games, folk theorems, evolutionary stability.

0101	Piotr Swistak	Seats (Total: 40)
	Tu 2:00pm - 4:45pm	TYD 1101

GVPT391 **Advanced Game Theory**

GVPT391 Advanced Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GVPT391 or GVPT399B. Formerly GVPT399B. Knowledge of basic solution concepts such as Nash and subgame perfection is assumed. Topics include Bayesian equilibria, correlated equilibria, bargaining games, common knowledge. Applications span all social sciences.

0101	Piotr Swistak	Seats (Total: 40)
	Th 2:00pm - 4:45pm	TYD 1101

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics**
Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**
Contact department for information to register for this course.

GVPT399G **Seminar in Government and Politics; Israel Politics and Society for Young Leaders**

GVPT399G Seminar in Government and Politics: Israel Politics and Society for Young Leaders; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448L. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

0101	Yoram Peri	Seats (Total: 25)
	M 4:00pm - 6:30pm	KEY 0126

GVPT399I	**Seminar in Government and Politics; Globilization** **Contact department for information to register for this course.**
GVPT399J	**Seminar in Government and Politics; Modern British Politics** **Contact department for information to register for this course.**
GVPT399K	**Seminar in Government and Politics; Structure and Process in International Relations** **Contact department for information to register for this course.**
GVPT399L	**Seminar in Government and Politics; British Politics** **Contact department for information to register for this course.**
GVPT399M	**Seminar in Government and Politics; Policy Analysis** **Contact department for information to register for this course.**
GVPT399O	**Seminar in Government and Politics; Parliament Politics** **Contact department for information to register for this course.**
GVPT399P	**Seminar in Government and Politics; Foreign Policy Analysis** **Contact department for information to register for this course.**
GVPT399Q	**Seminar in Government and Politics; Security and Defense Policy in the European Union** **Contact department for information to register for this course.**
GVPT399R	**Seminar in Government and Politics; Modern American Government** **Contact department for information to register for this course.**
GVPT399T	**Seminar in Government and Politics; Social Policy, Social Exclusion** **Contact department for information to register for this course.**
GVPT399V	**Seminar in Government and Politics; Political Economy of China and Japan** **Contact department for information to register for this course.**
GVPT399W	**Seminar in Government and Politics; International Economic Organizations** **Contact department for information to register for this course.**

GVPT399X **Seminar in Government and Politics; Politics of the Balkan**
Contact department for information to register for this course.

GVPT399Y **Seminar in Government and Politics; Political Economy of Sustainable Development**
Contact department for information to register for this course.

GVPT399Z **Seminar in Government and Politics; International Security**
Contact department for information to register for this course.

GVPT402 **International Law**
Contact department for information to register for this course.

GVPT406 **International Organizations**

GVPT406 International Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200. Junior standing. For GVPT majors only.* A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas.

0101	Todd Allee W 2:00pm - 4:45pm	Seats (Total: 30) TYD 1102

GVPT407 **International Political Economy**
Contact department for information to register for this course.

GVPT409 **Seminar in International Relations and World Politics**
Contact department for information to register for this course.

GVPT409E **Seminar in International Relations and World Politics; European Union**

GVPT409E Seminar in International Relations and World Politics: European Union; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski TuTh 8:00am - 9:15am	Seats (Total: 30) TYD 1132

GVPT409G **Seminar in International Relations and World Politics; Corporations and the Global Political Economy**

GVPT409G Seminar in International Relations and World Politics: Corporations and the Global Political Economy; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Virginia Haufler	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2110

GVPT409H **Seminar in International Relations and World Politics; International Relations of East Asia**

GVPT409H *(PermReq)* **Seminar in International Relations and World Politics: International Relations of East Asia; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: GVPT200. Restricted to GVPT Honors student only.

0101	Scott Kastner	Seats (Total: 20)
	W 2:00pm - 4:45pm	TYD 2110

GVPT409M **Seminar in International Relations and World Politics; National Groups and Ethnic Conflict**

GVPT409M Seminar in International Relations and World Politics: National Groups and Ethnic Conflict; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: GVPT200. Restricted to GVPT majors only. All other majors will be placed on the holdfile.

0101	Kathleen Cunningham	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2111

GVPT409Q **Seminar in International Relations and World Politics; US-China-Taiwan Relations**

GVPT409Q Seminar in International Relations and World Politics: US-China-Taiwan Relations; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: GVPT200. Restricted to GVPT majors only. All other majors placed on hold-file.

0101	Scott Kastner	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 1132

GVPT409T **Seminar in International Relations and World Politics; Political Economy of the Middle East**
Contact department for information to register for this course.

GVPT409V **Seminar in International Relations and World Politics; Game Theory and International Security**
Contact department for information to register for this course.

GVPT409X **Seminar in International Relations and World Politics; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

GVPT409Y **Seminar in International Relations and World Politics; Arab-Israeli Relations**
Contact department for information to register for this course.

GVPT409Z **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**
Contact department for information to register for this course.

GVPT419B **Seminar in Public Policy; Advanced Topics in Environmental Policy Analysis**

GVPT419B Seminar in Public Policy: Advanced Topics in Environmental Policy Analysis; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Jennifer Wallace	Seats (Total: 30)
	W 2:00pm - 4:45pm	TYD 0111

GVPT422 **Quantitative Political Analysis**

GVPT422 Quantitative Political Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. For GVPT majors only. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to quantitative methods of data analysis, including selected statistical methods, block analysis, content analysis, and scale construction.

0101	Antoine Banks	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 1132

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	Eric Uslaner MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 1101	

GVPT429C **Problems in Political Behavior; Social Capital**

GVPT429C Problems in Political Behavior: Social Capital; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Eric Uslaner M 3:30pm - 6:15pm	Seats (Total: 30) TYD 1114	

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants. All other students will be placed on the holdfile.

0101	Michael Spivey MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 1102 SYM 0209	 Discussion
0102	Michael Spivey MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 ASY 3221	 Discussion

0103	Michael Spivey MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 SYM 0209	 Discussion

GVPT439A **Seminar in Public Law; Comparative Constitutional Law**

GVPT439A Seminar in Public Law: Comparative Constitutional Law; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karol Soltan TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 2110	

GVPT442 **History of Political Theory--Medieval to Recent**
Contact department for information to register for this course.

GVPT443 **Contemporary Political Theory**

GVPT443 Contemporary Political Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present. Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

0201	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2106 SKN 1115	 Discussion
0202	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 COL 0101	 Discussion
0203	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 EDU 0212	 Discussion

GVPT443H **Contemporary Political Theory**

GVPT443H *(PermReq)* **Contemporary Political Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present. Restricted to GVPT Honors students only.

0101	James Glass	Seats (Total: 16)
	W 3:30pm - 6:15pm	WDS 1130

GVPT445 **Marxism and Postmarxism**

GVPT445 Marxism and Postmarxism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. The study of Marxist thought and an assessment of the critical transformations and reassessments of the theory and practice of Marxism. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1132

GVPT449C **Seminar in Political Philosophy; Democratic Theory**

GVPT449C Seminar in Political Philosophy: Democratic Theory; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restricted to majors only. All other majors will be placed on a hold file.

0101	Ian Ward	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	TYD 1114

GVPT449X **Seminar in Political Philosophy; Ethics & Global Policy**
Contact department for information to register for this course.

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**
Contact department for information to register for this course.

GVPT456 **The Politics of Terrorism**

GVPT456 The Politics of Terrorism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200. For GVPT majors only. Credit will be granted for only one of the following: GVPT456 or GVPT459T. Formerly GVPT459T.* Examination of the definition, causes and organization of terrorist activity, along with key domestic and international counter- and anti-terrorism responses. Special emphasis on challanges and opportunities to the scientific study of terrorism.

0101	Kanisha Bond	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 0102

GVPT458A **Special Topics in Study Abroad IV; Inequality, Poverty, and Globalization**
Contact department for information to register for this course.

GVPT458B **Special Topics in Study Abroad IV; Contemporary Political and Economic Issues in South Asia**
Contact department for information to register for this course.

GVPT458C **Special Topics in Study Abroad IV; Politics, War and Economics in the Age of Globalization**
Contact department for information to register for this course.

GVPT458D **Special Topics in Study Abroad IV; International Law from a European Perspective**
Contact department for information to register for this course.

GVPT458E **Special Topics in Study Abroad IV; European Politics: The European Union**
Contact department for information to register for this course.

GVPT458F **Special Topics in Study Abroad IV; Media in War and Crisis**
Contact department for information to register for this course.

GVPT458I **Special Topics in Study Abroad IV; Political Ideas in Historical Context: from the French Revolution to Post-Communism**
Contact department for information to register for this course.

GVPT458J **Special Topics in Study Abroad IV; Economic and Political Institutions of the European Union**
Contact department for information to register for this course.

GVPT458K **Special Topics in Study Abroad IV; Human Rights in Africa**
Contact department for information to register for this course.

GVPT458L **Special Topics in Study Abroad IV; Law and Dictatorship**
Contact department for information to register for this course.

GVPT458N **Special Topics in Study Abroad IV; Class, Nationalism and Civil War: Tradition and Modernization in Contemporary Spain**
Contact department for information to register for this course.

GVPT458O **Special Topics in Study Abroad IV; Chinese-U.S. Relations**
Contact department for information to register for this course.

GVPT458R **Special Topics in Study Abroad IV; Terrorism and Counterterrorism in International Politics**
Contact department for information to register for this course.

GVPT458T **Special Topics in Study Abroad IV; War Crimes and Human Rights**
Contact department for information to register for this course.

GVPT459D **Seminar in Comparative Politics; Politics of the Developing World**

GVPT459D Seminar in Comparative Politics: Politics of the Developing World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Formerly: GVPT409D. Credit will be granted for one of the following: GVPT409D or GVPT459D. For GVPT majors only. All other majors will be placed on a holdfile.

0101	Joel Simmons	Seats (Total: 30)
	M 2:00pm - 4:45pm	TYD 1102

GVPT459G **Seminar in Comparative Politics; Political Turning Points: 1948, 1968, 1989, and 2008-12**

GVPT459G *(PermReq)* **Seminar in Comparative Politics: Political Turning Points: 1948, 1968, 1989, and 2008-12; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to GVPT Honors students.

0101	Karol Soltan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0102

GVPT459H **Seminar in Comparative Politics; Global and Economic Governance**

GVPT459H *(PermReq)* **Seminar in Comparative Politics: Global and Economic Governance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Honors students only.

0101	Bartlomiej Kaminski	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 0101

GVPT459L **Seminar in Comparative Politics; Comparative Political Economy**

GVPT459L Seminar in Comparative Politics: Comparative Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Formerly GVPT451. Credit will be granted for one of the following: GVPT451 or GVPT459D. For GVPT major only. All other majors will be placed on the holdfile.

0101	Joel Simmons	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	TYD 0102

GVPT459R **Seminar in Comparative Politics; Rise and Fall of Communism**

GVPT459R Seminar in Comparative Politics: Rise and Fall of Communism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1114

GVPT473H **The U.S. Congress**

GVPT473H *(PermReq)* **The U.S. Congress; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. Restricted to GVPT Honors students only.

0101	Kristina Miler	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1114

GVPT474 **Political Parties**

GVPT474 Political Parties; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

0101	David Karol TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 1102 JMZ 1120	 Discussion
0102	David Karol TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 ARM 0101	 Discussion
0103	David Karol TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 TYD 2108	 Discussion

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion.

0101	Irwin Morris MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 1101 WDS 1127	 Discussion
0102	Irwin Morris MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 WDS 1127	 Discussion
0103	Irwin Morris MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1101 WDS 1127	 Discussion

GVPT479I **Seminar in American Politics; Immigration Politics**

GVPT479I Seminar in American Politics: Immigration Politics; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Robert Koulish	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	TYD 1132

GVPT479M **Seminar in American Politics; Campaign Management**

GVPT479M Seminar in American Politics: Campaign Management; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Samantha Davis	Seats (Total: 40)
	MW 3:30pm - 4:45pm	BLD3 4215
	Limit to CCJS students at Shady Grove.	

GVPT479O **Seminar in American Politics; Black Politics from Emancipation to Obama**

GVPT479O Seminar in American Politics: Black Politics from Emancipation to Obama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other major will be placed on the holdfile.

0101	Brian McKenzie	Seats (Total: 30)
	MW 4:00pm - 5:15pm	TYD 1101

GVPT479Y **Seminar in American Politics; Political Psychology**

GVPT479Y Seminar in American Politics: Political Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Antoine Banks	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 0111

GVPT481 **Government and Administration of Russia and the States of the Former Soviet Union**
Contact department for information to register for this course.

GVPT484 **Government and Politics of Africa**
Contact department for information to register for this course.

GVPT485 **Government and Politics of the Middle East**
Contact department for information to register for this course.

GVPT722 **Advanced Quantitative Methods For Political Science**

GVPT722 Advanced Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: GVPT 622 or permission of instructor. Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

0101	William Reed Th 12:30pm - 3:15pm	Seats (Total: 12) LEF LAB 5
0201	William Reed Th 3:30pm - 6:15pm	Seats (Total: 12) LEF LAB 5

GVPT729M **Special Topics in Quantitative Political Analysis; Multilevel Analysis in Politics: Theories and Application**

GVPT729M Special Topics in Quantitative Political Analysis: Multilevel Analysis in Politics: Theories and Application; (3 credits) Grade Method: REG/AUD.
Course will meet in Lefrak Lab.

0101	Ernesto Calvo W 12:30pm - 3:15pm	Seats (Total: 12) Location: TBA

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG.
Prerequisite: Graduate Standing. Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	Charles Alford	Seats (Total: 12)
	Tu 6:30pm - 9:15pm	TYD 1136

GVPT771 **Seminar in American Political Behavior**

GVPT771 Seminar in American Political Behavior; (3 credits) Grade Method: REG/AUD.
This is the core seminar in American political behavior. The course will deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

0101	Brian McKenzie	Seats (Total: 12)
	W 12:30pm - 3:15pm	TYD 1136

GVPT780 **Seminar in the Comparative Study of Politics**

GVPT780 Seminar in the Comparative Study of Politics; (3 credits) Grade Method: REG/AUD.
An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

0101	Mark Lichbach	Seats (Total: 10)
	Th 9:30am - 12:15pm	TYD 1111

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808B **Selected Topics in Functional Problems in International Relations; Conflict and World Politics**

GVPT808B Selected Topics in Functional Problems in International Relations: Conflict and World Politics; (3 credits) Grade Method: REG/AUD.

0101	David Cunningham	Seats (Total: 10)
	Tu 9:30am - 12:15pm	TYD 1136

GVPT808C **Selected Topics in Functional Problems in International Relations; Research Seminar in International Relations and Comparative Politics**

GVPT808C Selected Topics in Functional Problems in International Relations: Research Seminar in International Relations and Comparative Politics; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth	Seats (Total: 10)
	M 8:30am - 11:15am	TYD 1111

GVPT831 **Formal Theories of Politics I**

GVPT831 Formal Theories of Politics I; (3 credits) Grade Method: REG/AUD. Survey of major formal theories of politics, with emphasis on those theories based on the assumptions of rationality. The theory of public goods, game theory, coalition theory, and the theoretical properties of voting systems.

0101	Johanna Birnir	Seats (Total: 10)
	M 12:30pm - 3:15pm	TYD 1136
0201	William Reed	Seats (Total: 10)
	M 12:30pm - 3:15pm	ARM 0101

GVPT846 **Theories of Democracy**

GVPT846 Theories of Democracy; (3 credits) Grade Method: REG/AUD. *Prerequisite: GVPT 442.* A survey and analysis of the leading theories of democratic government, with attention to such topics as freedom, equality, representation, dissent, and critics of democracy.

0101	Ian Ward	Seats (Total: 12)
	Tu 12:30pm - 3:15pm	TYD 1136

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT874 **Seminar in Political Parties and Politics**

GVPT874 Seminar in Political Parties and Politics; (3 credits) Grade Method: REG/AUD.

Reports on topics assigned for individual study and reading in the fields of political organization and action.

0101	David Karol Tu 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT878D **Problems in American Government and Politics; Voting and Participation**

GVPT878D Problems in American Government and Politics: Voting and Participation; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT884 **Field Methods in Comparative Politics**

GVPT884 Field Methods in Comparative Politics; (3 credits) Grade Method: REG/AUD.

A practical designed for graduate students interested in field research. Research design, case selection, developing surveys and experiments, analysis of original data, and some qualitative methods will be emphasized, with the aim that students develop the practical skills to conduct their own field research.

0101	John McCauley Tu 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT888P **Selected Topics in Comparative Governmental Institutions; Parties, Congresses, and Bureaucracies**

GVPT888P Selected Topics in Comparative Governmental Institutions: Parties, Congresses, and Bureaucracies; (3 credits) Grade Method: REG/AUD.

0101	Ernesto Calvo Th 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HDCC Digital Cultures and Creativity Spring 2012

HDCC106 **Introduction to Digital and Creativity II**

HDCC106 Introduction to Digital and Creativity II; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Open to students enrolled in the Digital Cultures and Creativity Honors College Living/Learning program only. Prerequisite: HDCC105. Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

0101	Jason Farman, Krista Caballero M 2:00pm - 2:50pm M 3:30pm - 5:15pm	Seats (Total: 21) CSI 1115 QAN 0113	 Discussion
0102	Jason Farman, Krista Caballero M 2:00pm - 2:50pm W 3:30pm - 5:15pm	Seats (Total: 21) CSI 1115 QAN 0113	 Discussion
0103	Jason Farman, Krista Caballero M 2:00pm - 2:50pm Th 3:30pm - 5:15pm	Seats (Total: 21) CSI 1115 QAN 0113	 Discussion
0104	Jason Farman, Krista Caballero M 2:00pm - 2:50pm F 10:00am - 11:45am	Seats (Total: 21) CSI 1115 QAN 0113	 Discussion

HDCC209A **Practicum in Digital Cultures and Creativity**

HDCC209A Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Hasan Elahi Tu 3:30pm - 5:15pm	Seats (Total: 18) QAN 1132	

HDCC209B **Practicum in Digital Cultures and Creativity**

HDCC209B Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Tara Rodgers W 3:00pm - 4:45pm	Seats (Total: 18) TLF 0135	

HDCC209C **Practicum in Digital Cultures and Creativity**

HDCC209C Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Evan Golub M 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 9) PLS 1146 QAN 1132	 Discussion
0201	Evan Golub M 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 9) PLS 1146 QAN 1132	 Discussion

HEBR Hebrew Spring 2012

HEBR112 **Elementary Hebrew II**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111 which will be offered in the fall. Students who have studied Hebrew elsewhere are required to contact Dr. Avital Feuer.

HEBR112 Elementary Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HEBR111 or equivalent; or Appropriate Foreign Language Placement Testing (FLPT) score. Not open to students who have completed HEBR103 and HEBR104. Credit will be granted for only one of the following: HEBR103 and HEBR104; or HEBR112.* Continuation of HEBR 111.

0101	Michelle Cohen MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1103
0301	Shirly Malichi, Efrat Bernstein MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3205 JMZ 0125

HEBR212 **Intermediate Hebrew II**

HEBR212 Intermediate Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR211 or permission of department. Not open to students who have completed HEBR203 and HEBR204. Credit will be granted for only one of the following: HEBR203 and HEBR204; or HEBR212. Continuation of HEBR211.

0101	Michelle Cohen MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2125
0201	Aharona Gazit-Rosenthal MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1124

HEBR298A **Special Topics in Jewish Studies; Introduction to Classical Hebrew I**

HEBR298A Special Topics in Jewish Studies: Introduction to Classical Hebrew I; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST260. Prerequisite: HEBR111 or equivalent.

0101	Matthew Suriano MWF 11:00am - 11:50am	Seats (Total: 20) WDS 1127

HEBR314 **Conversation and Composition II**

HEBR314 Conversation and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Avital Feuer TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2120
0201	Yogev Terry TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1224

HEBR369A **Special Topics in Study Abroad III; Hebrew Lower Advanced**
Contact department for information to register for this course.

HEBR369B **Special Topics in Study Abroad III; Hebrew Lower Advanced**
Contact department for information to register for this course.

HEBR369C **Special Topics in Study Abroad III; Hebrew Upper Advanced**
Contact department for information to register for this course.

HEBR369D **Special Topics in Study Abroad III; Hebrew Upper Intermediate**
Contact department for information to register for this course.

HEBR381 **Introduction to Hebrew Cultural Studies**
Contact department for information to register for this course.

HEBR386 **Experiential Learning**

HEBR386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing. Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR498L **Special Topics in Hebrew; Modern Hebrew Literature in Translation**

HEBR498L Special Topics in Hebrew: Modern Hebrew Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498T, ENGL479T, ISRL449L and JWST429L. What issues populated Hebrew literature written before the establishment of the State of Israel, and what issues emerged in the literature written after the establishment of the State? In this class we will consider Hebrew literature as seperate from Israeli literature, authored from the turn of the twentieth century until the present moment.

0101	Sheila Jelen	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	TWS 3134

HEBR498Q **Special Topics in Hebrew; Israeli Popular Culture (Taught in Hebrew)**

HEBR498Q Special Topics in Hebrew: Israeli Popular Culture (Taught in Hebrew); (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Also offered as JWST429N. Taught in Hebrew.

0101	Eric Zakim	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 2207

HEBR498W **Special Topics in Hebrew; Advanced Hebrew Grammar**

HEBR498W Special Topics in Hebrew: Advanced Hebrew Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as JWST419G. Taught in Hebrew.

0101	Einat Gonen	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

HEBR499 **Independent Study in Hebrew**

HEBR499 *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Spring 2012

HEIP144 **Contemporary Issues in Entrepreneurship and Innovation**

HEIP144 Contemporary Issues in Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: HEIP143. For Honors Entrepreneurship & Innovation Program (HEIP) students only. Inspires entrepreneurial innovation and creativity through interactive lectures, workshops, and case studies on contemporary issues to include energy, life sciences, healthcare, and technology. Explores entrepreneurial innovation sources, structures and dynamics. Helps students develop skills for generating ideas and addressing current issues and problems.

0101	Jay Smith TuTh 11:00am - 12:15pm	Seats (Total: 28) LPA 0124
0201	Jay Smith TuTh 2:00pm - 3:15pm	Seats (Total: 28) LPA 0124
0301	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 28) LPA 0124

HEIP241 **EIP Capstone: Creating Enterprise with Social Impact**

HEIP241 EIP Capstone: Creating Enterprise with Social Impact; (2 credits) Grade Method: REG/P-F/AUD.
Limited to EIP students. Addresses the global necessity to develop and implement solutions to critical social and environmental concerns in ways that are both technologically viable and economically sustainable. Through group exercises, guest speakers, discussions, and experiential learning activities, students will develop the skills to create businesses that achieve the double bottom line of both profitability and social benefit.

0101	Annette Stanley, Jay Smith MW 5:00pm - 5:50pm	Seats (Total: 35) CSS 2428
0201	Jay Smith, Amanda Antico-Majkowski TuTh 5:00pm - 5:50pm	Seats (Total: 40) PLS 1130

HESP Hearing and Speech Sciences Spring 2012

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1118
0201	Tess Wood TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0115

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 9:30am - 10:45am	Seats (Total: 99) CHM 1402

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of C- or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Nan Ratner MW 2:00pm - 3:15pm	Seats (Total: 52) LEF 2208

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of C- or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Barbara Sonies	Seats (Total: 50)
	MW 11:00am - 12:15pm	TYD 1101

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of C- or better, or permission of department.
Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Sandra Gordon-Salant	Seats (Total: 52)
	TuTh 2:00pm - 3:15pm	LEF 2208

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of C- or better, or permission of department. Recommended: HESP120 or LING20 0. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Yi Ting Huang	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP402 **Language and Phonological Disorders in Children**

HESP402 Language and Phonological Disorders in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP400 with a grade of C- or better, or permission of department. Etiology, assessment and treatment of language and phonological disorders in children.

0101	Dianne Handy	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	TYD 0117

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of C- or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Carl Herder	Seats (Total: 46)
	TuTh 3:30pm - 4:45pm	TYD 2106

HESP404 **Fluency & Voice Disorders**

HESP404 Fluency & Voice Disorders; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

0101	Kathleen Skinker, Vivian Sisskin	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of C- or better or permission of department. For HESP majors only or bypd.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Matthew Goupell	Seats (Total: 50)
	MW 3:45pm - 5:00pm	SKN 0104

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of C- or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Tracy Fitzgerald	Seats (Total: 46)
	TuTh 11:00am - 12:15pm	TYD 2111

HESP418A **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

HESP418A *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Audiology Option; (3 credits)** Grade Method: REG/P-F/AUD. For majors only.

0101	Sharon Palmer	Seats (Total: 10)
	W 12:00pm - 12:50pm Contact instructor or department for details.	LEF 0111D

HESP418B **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

HESP418B *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Speech Pathology Option; (3 credits)** Grade Method: REG/P-F/AUD. For majors only.

0101	Vivian Sisskin	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

HESP422 **Neurological Bases of Human Communication**

HESP422 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG.
Prerequisite: HESP305 or permission of instructor. Credit will be granted for only one of the following: HESP498 or HESP422. Basic neurology as it pertains to anatomy and physiology substrates of speech and language. Also offered as HESP602 and NACS728K.

0101	Yasmeen Shah	Seats (Total: 40)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

HESP469A Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

HESP469B Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498 **Seminar**

HESP498 Seminar; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP602 **Neurological Bases of Human Communication**

HESP602 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Basic neurology as it pertains to anatomical and physiological substrates of speech and language. Also offered as HESP422 and NACS728K.

0101	Yasmeen Shah	Seats (Total: 40)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP610 **Aphasia**

HESP610 Aphasia; (3 credits) Grade Method: REG/AUD.
Language problems of adults associated with brain injury.

0101	Yasmeen Shah	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP620 **Phonological and Articulatory Disorders**

HESP620 Phonological and Articulatory Disorders; (3 credits) Grade Method: REG/AUD.
Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

0101	Colleen Worthington Th 9:30am - 12:00pm	Seats (Total: 25) LEF 0135

HESP627 **Augmentative and Alternative Communication**

HESP627 Augmentative and Alternative Communication; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: HESP 639R or HESP627. Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication.

0101	Tonya Williams Walker Tu 4:30pm - 7:00pm	Seats (Total: 10) LEF 0104A

HESP632 **Medical Audiology**

HESP632 Medical Audiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP 311. Corequisite: HESP 606. Overview of auditory pathologies, and their assessment and management in the medical setting.

0101	Carmen Brewer M 5:30pm - 8:00pm	Seats (Total: 15) LEF 0135

HESP636 **Geriatric Audiology**

HESP636 Geriatric Audiology; (3 credits) Grade Method: REG.
Prerequisites: HESP 606 and HESP 700. For HESP majors only. Research findings are presented on the physical effects of aging on the auditory periphery and central nervous system, as well as the consequences of aging on behavioral and electrophysiologic measures of auditory function. Clinical implications in the effects of physiologic and cognitive aging on auditory performance will be discussed.

0101	Peter Fitzgibbons, Sandra Gordon-Salant W 4:00pm - 6:30pm	Seats (Total: 10) KEY 0116

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP701 **Hearing Aids II**

HESP701 Hearing Aids II; (3 credits) Grade Method: REG.
Prerequisite: For students seeking doctoral degree in Audiology, HESP700, and permission of department; or permission of instructor. For HESP majors only.
Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

0101	LaGuinn Sherlock, Nicole Nguyen	Seats (Total: 10)
	Tu 4:45pm - 7:15pm	LEF 0135

HESP706 **Advanced Clinical Audiology**

HESP706 Advanced Clinical Audiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP 606 or equivalent. Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

0101	Tracy Fitzgerald	Seats (Total: 20)
	F 1:00pm - 3:30pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP724 **Research Design**

HESP724 Research Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: a course in basic statistics. Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

0101	Rochelle Newman	Seats (Total: 10)
	M 1:00pm - 3:30pm	LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe	Seats (Total: 10)
	TBA	LEF 0135
	Contact instructor or department for details.	

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP878 **Seminar in Language Disorders**

HESP878 Seminar in Language Disorders; (3 credits) Grade Method: REG/AUD.

1601	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Spring 2012

HHUM106 **Honors Humanities: The Arts in Practice**

HHUM106 Honors Humanities: The Arts in Practice; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Prerequisite: ARHU/HHUM105. Restricted to second-semester freshmen in the Honors Humanities program only. Credit will be granted for only one of the following: ARHU106 or HHUM106. Formerly ARHU106. Intensive study of a particular form or category of art (e.g., Southern musical traditions, the graphic novel, one-act plays, the blogosphere, the personal essay)), especially as practiced in or relevant to the campus and metropolitan area. Students produce an instance of this art as their final project for the course.

0101	Dana Carluccio MW 4:00pm - 5:15pm	Seats (Total: 17) SQH 2119
0201	Jonathan Auerbach Th 4:15pm - 6:00pm Th 6:00pm - 8:00pm	Seats (Total: 17) TWS 1100 TWS 1106
0301	Bernard Cooperman TuTh 5:00pm - 6:16pm	Seats (Total: 17) SQH 1111
0401	Theresa Donofrio MW 4:00pm - 5:15pm	Seats (Total: 17) SQH 1111

HHUM206 **Honors Humanities Research Semester**

HHUM206 Honors Humanities Research Semester; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to Honors Humanities students only. Prerequisite: ARHU/HHUM105, ARHU/HHUM106, and ARHU/HHUM205. Credit will be granted for only one of the following: ARHU206 or HHUM206. Formerly ARHU206. Independent research and completion of students' chosen Keystone Projec developed during the preceding three semesters in HHUM105, HHUM106 and HHUM205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 25)
0201	Valerie Orlando Contact instructor or department for details.	Seats (Total: 25)

0301	Theresa Donofrio	Seats (Total: 25)	
	Contact instructor or department for details.		

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio	Seats (Total: 5)	
	Contact instructor or department for details.		

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio	Seats (Total: 5)	
	Contact instructor or department for details.		

HISP Historic Preservation Spring 2012

HISP200 **The Everyday and the American Environment**

HISP200 The Everyday and the American Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
An introduction to the theories of the everyday within the context of the American built environment. Focuses primarily on the American experience of underrepresented, minority, and/or immigrant communities; both historical and contemporary. Attempts to challenge what is meant by American in describing the American everyday built environment.

0101	Michele Lamprakos	Seats (Total: 20)	
	Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	ARC 0204 ARC 1123	Discussion
0103	Michele Lamprakos	Seats (Total: 20)	
	Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	ARC 0204 EDU 1210B	Discussion

0104	Michele Lamprakos Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 20) ARC 0204 ARC 1101	 Discussion

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP630 **Preservation Policy and Planning**

HISP630 *(PermReq)* **Preservation Policy and Planning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619M or HISP630. Formerly HISP619M. An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

0101	Constance Ramirez Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1105

HISP635 **Social and Ethnic Issues in Historic Preservation Practice**

HISP635 Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP628E. Credit will be granted for only one of the following: HISP628E or HISP635. Formerly HISP628E. This seminar course examines the broader social and ethnic dimensions of historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project.

0101	Mary Sies M 7:00pm - 9:40pm	Seats (Total: 10) HZF 1108

HISP640 **Historic Preservation Law, Advocacy and Public Policy**

HISP640 *(PermReq)* **Historic Preservation Law, Advocacy and Public Policy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619C or HISP 640. Formerly HISP619C. Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

0101	Frederick Stachura Th 7:00pm - 9:45pm	Seats (Total: 15) ARC 1103

HISP645 **Archaeology and Preservation**

HISP645 Archaeology and Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP619A. Credit will be granted for only one of the following: HISP619A or HISP645. Formerly HISP619A. An introduction to issues related to archaeological resources and preservation. Topics will include method and theory in American archaeology, archaeology in support of architectural history, archaeology and the NHPA, archaeological site preservation and conservation, and curation and collections management. Students will have a chance to work at an archaeological site to experience field excavation techniques and challenges, and will visit other archaeological sites and curation facilities in the area.

0101	Donald Linebaugh W 4:00pm - 6:30pm	Seats (Total: 15) ASY 3217

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP670 **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

HISP670 *(PermReq)* **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619T or HISP670. Formerly HISP619T. Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

0101	Steven Mallory	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1105

HISP701 **Certificate Portfolio Project**

HISP701 *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 5)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 Final Project in Historic Preservation I; (1 credit) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP710. Formerly HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)	

HISP711 **Final Project in Historic Preservation II**

HISP711 Final Project in Historic Preservation II; (2 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP711. Formerly HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)	

HIST History Spring 2012

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Kenneth Holum TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0102	Kenneth Holum TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 2103	 Discussion
0103	Kenneth Holum TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 WDS 1127	 Discussion
0104	Kenneth Holum TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 2103	 Discussion

0105	Kenneth Holum TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 EDU 1315	Discussion
0106	Kenneth Holum TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 2103	Discussion
0107	Kenneth Holum TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	Kenneth Holum TuTh 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TLF 2103	Discussion

HIST111 **The Medieval World**

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Janna Bianchini TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0102	Janna Bianchini TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Janna Bianchini TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0104	Janna Bianchini TuTh 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion

0105	Janna Bianchini TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0118	Discussion
0106	Janna Bianchini TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	Janna Bianchini TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 SYM 0209	Discussion
0108	Janna Bianchini TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0109	Janna Bianchini TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 2208	Discussion
0110	Janna Bianchini TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 MMH 1304	Discussion
0111	Janna Bianchini TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0112	Janna Bianchini TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 WDS 0104	Discussion

HIST113 **The Making of Modern Europe**
Contact department for information to register for this course.

HIST135 **Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode**

HIST135 Civil Discourse or Urban Riot Why Cities Don't (Often) Explode; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Bernard Cooperman TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) TYD 1101 JMZ 1224	 Discussion
0102	Bernard Cooperman TuTh 9:30am - 10:20am Th 2:00pm - 2:50pm	Seats (Total: 20) TYD 1101 JMZ 1103	 Discussion
0103	Bernard Cooperman TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 20) TYD 1101 KEY 0126	 Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Miles Bradbury TuTh 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 EDU 1210B	 Discussion
0102	Miles Bradbury TuTh 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0116	 Discussion
0103	Miles Bradbury TuTh 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion

0104	Miles Bradbury TuTh 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 0202	Discussion
0105	Miles Bradbury TuTh 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0106	Miles Bradbury TuTh 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0107	Miles Bradbury TuTh 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	Miles Bradbury TuTh 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0201	Donald McNeilly MW 2:00pm - 3:15pm	Seats (Total: 40) HJP 2242	

HIST157 **History of the United States Since 1865**

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0102	Edwin Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion

0103	Edwin Smead MW 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 1124	Discussion
0104	Edwin Smead MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0105	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 WDS 1127	Discussion
0106	Edwin Smead MW 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0108	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 3233	Discussion
0109	Edwin Smead MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion
0110	Edwin Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ARM 0102	Discussion
0111	Edwin Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0112	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARC 1103	Discussion

0201	Emily Landau TuTh 10:00am - 10:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0202	Emily Landau TuTh 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 2119	Discussion
0203	Emily Landau TuTh 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0204	Emily Landau TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0205	Emily Landau TuTh 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 2119	Discussion
0206	Emily Landau TuTh 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 SQH 2119	Discussion
0207	Emily Landau TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 SQH 1111	Discussion
0208	Emily Landau TuTh 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3215	Discussion
0209	Emily Landau TuTh 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 SQH 1101	Discussion
0210	Emily Landau TuTh 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion

0211	Emily Landau TuTh 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 1101	Discussion
0212	Emily Landau TuTh 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0301	Peter Hoefer MW 2:00pm - 3:15pm	Seats (Total: 40) PHY 1204	

HIST208A **Historical Research and Methods Seminar; Old Bay: Environment, History, and the Chesapeake Region**

HIST208A *(PermReq)* **Historical Research and Methods Seminar: Old Bay: Environment, History, and the Chesapeake Region; (3 credits)** Grade Method: REG.

Prerequisite: Permission of department.

0101	Jeffrey Brideau M 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2100	
0201	Jeffrey Brideau Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2110	

HIST208B **Historical Research and Methods Seminar; Women and Gender in Twentieth Century Latin America**

HIST208B Historical Research and Methods Seminar: Women and Gender in Twentieth Century Latin America; (3 credits) Grade Method: REG.

Prerequisite: Permission of department.

0101	Reid Gustafson M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108	
0201	Reid Gustafson W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107	

HIST208F **Historical Research and Methods Seminar; The British Atlantic World, 1575-1875**

HIST208F *(PermReq)* **Historical Research and Methods Seminar: The British Atlantic World, 1575-1875; (3 credits)** Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Cathleen Brennan W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2108
0102	Cathleen Brennan Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2108

HIST208O **Historical Research and Methods Seminar; From Fisticuffs to Friday Night Lights: Sports and American Culture**

HIST208O *(PermReq)* **Historical Research and Methods Seminar: From Fisticuffs to Friday Night Lights: Sports and American Culture; (3 credits)** Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Peter Libero Th 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2100
0201	Peter Libero Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107

HIST208V **Historical Research and Methods Seminar; From Ellis Island to El Paso to Buenos Aires: Immigration in the Americas, 1850-2000**

HIST208V *(PermReq)* **Historical Research and Methods Seminar: From Ellis Island to El Paso to Buenos Aires: Immigration in the Americas, 1850-2000; (3 credits)** Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Daniel Richter Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

0201	Daniel Richter Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108	

HIST211 **Love, Labor, and Citizenship: History of American Women Since 1880**

HIST211 Love, Labor, and Citizenship: History of American Women Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST211. Credit will be granted for only one of the following: HIST211 or WMST211. An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 ASY 3221	Discussion
0102	Robyn Muncy MW 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) SHM 2102 ASY 3217	Discussion
0103	Robyn Muncy MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 ASY 3217	Discussion
0104	Robyn Muncy MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 SKN 1112	Discussion
0105	Robyn Muncy MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 SYM 0215	Discussion
0106	Robyn Muncy MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) SHM 2102 ASY 3217	Discussion

0107	Robyn Muncy MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TLF 1101	 Discussion
0108	Robyn Muncy MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 SYM 0209	 Discussion

HIST213 **History of Sexuality in America**

HIST213 History of Sexuality in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST213 or HIST219O. Formerly HIST219O.* Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S History.

0101	Clare Lyons MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) TWS 1100 KEY 0126	 Discussion
0102	Clare Lyons MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) TWS 1100 ASY 3217	 Discussion
0103	Clare Lyons MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) TWS 1100 KEY 0116	 Discussion
0104	Clare Lyons MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) TWS 1100 TYD 0101	 Discussion

HIST219B **Rebellious Women**

HIST219B Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST 298G. Credit will be granted for only one of the following: HIST 219B or WMST 298G.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1120	Discussion

HIST219Q **Special Topics in History; American Social Violence**

HIST219Q *(PermReq)* **Special Topics in History: American Social Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Permission Required: Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.

HSWJ	Edwin Smead MW 7:35am - 8:50am	Seats (Total: 35) Location: TBA

HIST221 **Asian American History**

HIST221 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Formerly: HIST219M and HIST219G. Also offered as AAST201. Credit will be granted for only one of the following: AAST201, HIST219G, HIST219M, or HIST221.
Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Lisa Mar MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 SKN 1112	Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) PLS 1140 WDS 1130	Discussion
0103	Lisa Mar MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 WDS 1130	Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 TLF 1103	Discussion

HIST222 **Immigration and Ethnicity in America**

HIST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as AAST222. Credit will be granted for only one of the following: AAST222, AAST298A, HIST219L or HIST222. Formerly HIST219L.* The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture. Also offered as AAST222.

0101	Lisa Mar MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 WDS 1127	Discussion
0102	Lisa Mar MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 0104	Discussion
0103	Lisa Mar MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 WDS 1127	Discussion

0104	Lisa Mar MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 1131	Discussion

HIST225 **Modern Military History, 1815-Present**

HIST225 Modern Military History, 1815-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0101	Nicholas Lambert MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0102	Nicholas Lambert MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0103	Nicholas Lambert MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0104	Nicholas Lambert MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0105	Nicholas Lambert MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 LEF 1221	Discussion
0106	Nicholas Lambert MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0107	Nicholas Lambert MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARC 1105	Discussion

0108	Nicholas Lambert MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HIST219P or HIST233. Formerly HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in Empire, transportation and the making of Australia, sex in empire, missionaries, racial theories and decolonizaiton.

0101	Anne Rush TuTh 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) TYD 1102 TLF 1101	Discussion
0102	Anne Rush TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) TYD 1102 ASY 3219	Discussion
0103	Anne Rush TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) TYD 1102 ASY 3217	Discussion
0104	Anne Rush TuTh 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 20) TYD 1102 LEF 1201	Discussion

HIST235 **History of Britain 1461 to 1714**

HIST235 History of Britain 1461 to 1714; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron	Seats (Total: 45)
	TuTh 9:30am - 10:45am	TYD 2108

HIST236 **History of Britain 1688 to Present**

HIST236 History of Britain 1688 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

0101	Julie Taddeo	Seats (Total: 30)
	MW 1:00pm - 2:15pm	KEY 0121

HIST237 **Russian Civilization**

HIST237 Russian Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

0101	John Corcoran	Seats (Total: 40)
	TuTh 9:30am - 10:45am	TYD 0111

HIST240 **Europe in the Twentieth Century**

HIST240 Europe in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed HIST337. Credit will be granted for only one of the following: HIST240 or HIST337. Formerly HIST337. Political, cultural and economic developments in 20th-century Europe.

0101	John Corcoran TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 2108	

HIST251 **Latin America Since Independence**

HIST251 Latin America Since Independence; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Introductory survey of the history of Latin America from the era of independence (c. 1810-1825) through the early 1980s. Major themes include independence and sovereignty, postcolonialism and neocolonialism, nation- and state-building, liberalism, citizenship, economic development and modernization, social organization and stratification, race and ethnicity, gender relations, identity politics, reform and revolution, authoritarianism and democratization, and interamerican relations.

0101	Daryle Williams TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) LEF 2166 TLF 1103	Discussion
0102	Daryle Williams TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) LEF 2166 TLF 1101	Discussion
0103	Daryle Williams TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) LEF 2166 LEF 1220	Discussion
0104	Daryle Williams TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) LEF 2166 LEF 1201	Discussion

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Edwin Smead MW 2:00pm - 3:15pm	Seats (Total: 95) KEY 0102	

HIST269M **Special Topics in Study Abroad II; Modern Italy**
Contact department for information to register for this course.

HIST269O **Special Topics in Study Abroad II; Mediterranean Politics and Culture**
Contact department for information to register for this course.

HIST269R **Special Topics in Study Abroad II; Latin American Social Revolutions**
Contact department for information to register for this course.

HIST269X **Special Topics in Study Abroad II; Survey of the History of Ancient Rome**
Contact department for information to register for this course.

HIST283 **History of the Jewish People II**

HIST283 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235.

0101	Rachel Manekin MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) PLS 1140 SKN 1115	Discussion
0102	Rachel Manekin MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 SYM 0209	Discussion
0103	Rachel Manekin MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) PLS 1140 SYM 0209	Discussion
0104	Rachel Manekin MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 SKN 1112	Discussion

HIST283H **History of the Jewish People II**

HIST283H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST 235H.

0101	Rachel Manekin MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) PLS 1140 PLS 1146	 Discussion

HIST285 **East Asian Civilization II**

HIST285 East Asian Civilization II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

0101	James Gao MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 2123	 Discussion
0102	James Gao MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 2123	 Discussion
0103	James Gao MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion
0104	James Gao MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion

HIST289A **Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspective**

HIST289A Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Paul Landau MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) TYD 2109 HBK 1112	Discussion
0102	Paul Landau MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) TYD 2109 HBK 1112	Discussion
0103	Paul Landau MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) TYD 2109 HBK 1112	Discussion

HIST289B **Carbon: Element at the Center of History**

HIST289B Carbon: Element at the Center of History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Friedel TuTh 2:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 1117 KEY 0117	Discussion
0102	Robert Friedel TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 1117 KEY 0117	Discussion
0103	Robert Friedel TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 1117 KEY 0117	Discussion

HIST289E **Pursuits of Happiness: Ordinary Lives in the American Revolution**

HIST289E Pursuits of Happiness: Ordinary Lives in the American Revolution; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Richard Bell MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 JMZ 2120	Discussion
0102	Richard Bell MW 9:00am - 9:50am F 3:00pm - 3:50pm	Seats (Total: 20) SQH 1120 JMZ 1215	Discussion
0103	Richard Bell MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 JMZ 0208	Discussion

HIST289I **Looking at America through a Global Lens**

HIST289I Looking at America through a Global Lens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Saverio Giovacchini MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) TYD 1102 SKN 1115	Discussion
0102	Saverio Giovacchini MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) TYD 1102 PLS 1164	Discussion
0103	Saverio Giovacchini MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 20) TYD 1102 KEY 0121	Discussion

HIST289K **Spies, Assassins, Martyrs, and Witches: Famous Trials in American History**

HIST289K Spies, Assassins, Martyrs, and Witches: Famous Trials in American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Michael Ross MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) TYD 1102 HBK 1108	 Discussion
0102	Michael Ross MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) TYD 1102 HBK 1108	 Discussion
0103	Michael Ross MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) TYD 1102 HBK 0123	 Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST307 **The Holocaust of European Jewry**

HIST307 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST345. Credit will be granted for only one of the following: HIST307 or JWST345. Roots of Nazi Jewish policy in the l930's and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 WDS 1127	 Discussion

0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 0208	Discussion
0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 HBK 0123	Discussion

HIST319N **Special Topics in History; A MODERN HISTORY OF KOREA**

HIST319N Special Topics in History: A MODERN HISTORY OF KOREA; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley TuTh 2:00pm - 3:15pm	Seats (Total: 45) KEY 0102

HIST319Y **Special Topics in History; 20th Century Britain 1914-1997**
Contact department for information to register for this course.

HIST319Z **Special Topics in History; The FBI 1909-1978**
Contact department for information to register for this course.

HIST324 **Classical Greece**

HIST324 Classical Greece; (3 credits) Grade Method: REG/P-F/AUD.
The ancient Greeks from Homer to Socrates, 800-400 B.C. Society and religion of the city-state, the art and literature of Periclean Athens, the Peloponnesian War, and the intellectual circle of Socrates.

0101	Kenneth Holum TuTh 2:00pm - 3:15pm	Seats (Total: 45) KEY 0116

HIST326 **The Roman Republic**

HIST326 The Roman Republic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST110 or HIST111; or permission of instructor. Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces which brought it about, and the consequent transformation and decline of the republic.

0101	Arthur Eckstein	Seats (Total: 45)
	MW 11:00am - 12:15pm	KEY 0116

HIST327 **The Roman Empire**
Contact department for information to register for this course.

HIST328I **Selected Topics in History; Women In Israel**
Contact department for information to register for this course.

HIST331 **Europe in the High Middle Ages: 1000-1500**

HIST331 Europe in the High Middle Ages: 1000-1500; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as RELS341. Credit will be granted for only one of the following: HIST331 or RELS341. Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

0101	Janna Bianchini	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST332 **Renaissance Europe**
Contact department for information to register for this course.

HIST333 **The European Reformations**

HIST333 The European Reformations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111, HIST112, or permission of instructor. Also offered as RELS343. Credit will be granted for only one of the following: HIST333 or RELS343. Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Philip Soergel	Seats (Total: 45)
	MW 2:00pm - 3:15pm	KEY 1117

HIST355 **Civil War and the Rise of Industrialization, 1860-1900**

HIST355 Civil War and the Rise of Industrialization, 1860-1900; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST157, HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or permission of instructor. Credit will be granted for only one of the following: HIST355 or HIST364. Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Emily Landau	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	LEF 2166

HIST356 **Emergence of Modern America, 1900-1945**

HIST356 Emergence of Modern America, 1900-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST157, HIST201, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman and the New Negro.

0101	Katarina Keane	Seats (Total: 45)
	MW 11:00am - 12:15pm	SQH 1117

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST156, HIST157, HIST201, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor.* American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Alfred Moss	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST369A **Special Topics in Study Abroad III; Modernism in the City: Art in Barcelona between the two international exhibitions (1888-1929)**
Contact department for information to register for this course.

HIST369D **Special Topics in Study Abroad III; Barcelona: the City and Its History**
Contact department for information to register for this course.

HIST369E **Special Topics in Study Abroad III; The Atlantic World in the Age of Exploration, Conquest and Settlement**
Contact department for information to register for this course.

HIST369N **Special Topics in Study Abroad III; Colonial Encounters: Natives, Spaniards, and Africans in the New World**
Contact department for information to register for this course.

HIST369P **Special Topics in Study Abroad III; Ancient Empires: Persia, Athens, Rome**
Contact department for information to register for this course.

HIST369R **Special Topics in Study Abroad III**
Contact department for information to register for this course.

HIST369X **Special Topics in Study Abroad III; Survey of the History of Ancient Rome**
Contact department for information to register for this course.

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST396 **Honors Colloquium II**

HIST396 *(PermReq)* **Honors Colloquium II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: HIST395 or permission of department. For HIST majors only. Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

0101	Richard Bell	Seats (Total: 12)
	W 2:00pm - 4:00pm	TLF 2108
	Contact instructor or department for details.	

HIST398 **Honors Thesis I**

HIST398 *(PermReq)* **Honors Thesis I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	David Freund	Seats (Total: 12)
	M 1:00pm - 3:00pm	TLF 2101
	Contact instructor or department for details.	

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics. Credit will be given for only one of the following: HIST404, PHIL458B or PHIL688B.

0101	Lindley Darden TuTh 3:30pm - 4:45pm	Seats (Total: 15) SKN 1115
SG91	John Parascandola TuTh 9:30am - 10:45am *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 35) BLD3 3219

HIST405 **Environmental History**

HIST405 Environmental History; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Thomas Zeller MW 2:00pm - 3:15pm	Seats (Total: 32) TLF 1101

HIST408A **Senior Seminar; Invention, Economy & Society in Making of Modern America**

HIST408A *(PermReq)* **Senior Seminar: Invention, Economy & Society in Making of Modern America; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Prerequisite: permission of department.

0101	Robert Friedel Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408B **Senior Seminar; American Social & Political Movements in the 1960s & 1970s**

HIST408B *(PermReq)* **Senior Seminar: American Social & Political Movements in the 1960s & 1970s; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Prerequisite: permission of department.

0101	Katarina Keane Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408E **Senior Seminar; Individual Liberties and War: From the Revolution to the War on Terror**

HIST408E *(PermReq)* **Senior Seminar: Individual Liberties and War: From the Revolution to the War on Terror; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Whitman Ridgway	Seats (Total: 12)
	W 1:00pm - 3:00pm	TLF 2110
	Contact instructor or department for details.	

HIST408J **Senior Seminar; The Modern Babylon: A Cultural History of 19th Century London**

HIST408J *(PermReq)* **Senior Seminar: The Modern Babylon: A Cultural History of 19th Century London; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Julie Taddeo	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408K **Senior Seminar; Early American History**

HIST408K *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Miles Bradbury	Seats (Total: 12)
	Th 10:00am - 12:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408M **Senior Seminar; Literature and Empire**

HIST408M *(PermReq)* **Senior Seminar: Literature and Empire; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Arthur Eckstein	Seats (Total: 12)
	Tu 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408O **Senior Seminar; Life Histories of African Women**

HIST408O *(PermReq)* **Senior Seminar: Life Histories of African Women; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Hilary Jones	Seats (Total: 12)
	W 11:00am - 1:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408Q **Senior Seminar; Jews and the Urban Environment**

HIST408Q *(PermReq)* **Senior Seminar: Jews and the Urban Environment; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department. Credit will be granted for only one of the following: HIST408Q or JWST409L.

0101	Bernard Cooperman	Seats (Total: 7)
	Th 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408R **Senior Seminar; Women and Politics, Work, Family, and War**

HIST408R *(PermReq)* **Senior Seminar: Women and Politics, Work, Family, and War; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Department permission required.

0101	Gay Gullickson	Seats (Total: 12)
	Th 3:00pm - 5:00pm	KEY 2120
	Contact instructor or department for details.	

HIST408X **Senior Seminar; Piracy and Empire in the Early Modern Atlantic World**

HIST408X *(PermReq)* **Senior Seminar: Piracy and Empire in the Early Modern Atlantic World; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Holly Brewer	Seats (Total: 12)
	Tu 12:00pm - 2:00pm	TLF 2108
	Contact instructor or department for details.	

HIST416 **History of Slavery and the Slave Trade in Africa**

HIST416 History of Slavery and the Slave Trade in Africa; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: HIST416 or HIST419Y. Formerly HIST419Y. Examines the history and impact of the slave trade on African states, societies, and economies. Investigates the meaning of slavery in Africa, the local uses of slavery there and Africa's connections to the Trans-Saharan, Red Sea and Trans-Atlantic slave trades.

0101	Hilary Jones	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TLF 1103

HIST418A **Jews and Judaism: Selected Historical Topics; Readings in Jewish History: Memoir, Autobiography, and the Modern Jewish Experience**

HIST418A Jews and Judaism: Selected Historical Topics: Readings in Jewish History: Memoir, Autobiography, and the Modern Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST429A.

0101	Marsha Rozenblit	Seats (Total: 12)
	Th 4:00pm - 6:00pm	TLF 2108
	Contact instructor or department for details.	

HIST418D **Jews and Judaism: Selected Historical Topics; Readings in Modern Hebrew: Hasidism and its Opponents**

HIST418D Jews and Judaism: Selected Historical Topics: Readings in Modern Hebrew: Hasidism and its Opponents; (3 credits) Grade Method: REG/P-F/AUD. Also offered as JWST478M. Prerequisite: HEBR313 or permission of instructor. Credit will be granted for only one of the following: HIST 418D or JWST478M. Texts taught in Hebrew.

0101	Rachel Manekin	Seats (Total: 15)
	MW 2:00pm - 3:15pm	Location: TBA

HIST419D **Special Topics in History; Islam in Europe**

HIST419D Special Topics in History: Islam in Europe; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as RELS419D. Credit will be granted for only one of the following: HIST419D or RELS419D.

0101	Madeline Zilfi	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0116

HIST419O **Special Topics in History; Afro-Diasporic Dialogues in the Americas**

HIST419O Special Topics in History: Afro-Diasporic Dialogues in the Americas; (3 credits) Grade Method: REG/P-F/AUD.

0101	David Sartorius	Seats (Total: 45)
	MW 11:00am - 12:15pm	TYD 1132

HIST419V **Special Topics in History; Origins of the Constitution**

HIST419V Special Topics in History: Origins of the Constitution; (3 credits) Grade Method: REG/P-F/AUD.

0101	Holly Brewer	Seats (Total: 45)
	TuTh 9:30am - 10:45am	KEY 0116

HIST425 **Imperial Russia**

HIST425 Imperial Russia; (3 credits) Grade Method: REG/P-F/AUD.
The rise and fall of the Russian Empire, Peter the Great to the collapse of tsarism in revolution. Emphasis on the evolution of autocracy, social groups, national identities, and cultural change.

0101	Mikhail Dolbilov	Seats (Total: 45)
	TuTh 9:30am - 10:45am	KEY 1117

HIST428A **Selected Topics in History; Chinese Cities and Frontiers**

HIST428A Selected Topics in History: Chinese Cities and Frontiers; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao	Seats (Total: 32)
	MW 11:00am - 12:15pm	TLF 1101

HIST428I **Selected Topics in History; Poverty and Social Policy in the United States**

HIST428I Selected Topics in History: Poverty and Social Policy in the United States; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sonya Michel	Seats (Total: 45)
	TuTh 9:30am - 10:45am	KEY 0126

HIST428O **Selected Topics in History; History of Slavery**

HIST428O Selected Topics in History: History of Slavery; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ira Berlin	Seats (Total: 30)
	MW 11:00am - 12:15pm	TLF 1103

HIST428V **Selected Topics in History; Dividing Palestine? Examining Jewish-Arab Negotiations in the 1930's**

HIST428V *(PermReq)* **Selected Topics in History: Dividing Palestine? Examining Jewish-Arab Negotiations in the 1930's; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as ISRL448D. Instructor permission required. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leaders of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

0101	Paul Scham	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 0142

HIST429Z **Special Topics in History; History of Poisons**

HIST429Z Special Topics in History: History of Poisons; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Parascandola TuTh 12:30pm - 1:45pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 30) BLD3 4212

HIST430 **Tudor England**

HIST430 Tudor England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious and social forces in English life, 1485-1603, with special emphasis on Tudor government, the English reformation and the Elizabethan era.

0101	Sabrina Baron TuTh 12:30pm - 1:45pm	Seats (Total: 45) KEY 0126

HIST440 **Germany in the Nineteenth Century, 1815-1914**
Contact department for information to register for this course.

HIST455 **Constitutional History of the United States: Since 1860**

HIST455 Constitutional History of the United States: Since 1860; (3 credits) Grade Method: REG/P-F/AUD.
American public law and government, with emphasis on the interaction of government, law, and politics. Emphasis on the political-constitutional system as a whole, rather than simply the development of constitutional law by the Supreme Court. Major crises in American government and politics such as Civil War, Reconstruction, the 1890s, the New Deal era, the civil disorders of the 1960s.

0101	Michael Ross MW 2:00pm - 3:15pm	Seats (Total: 45) KEY 0103

HIST461 **Blacks in American Life: 1865 to Present**

HIST461 Blacks in American Life: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST156, HIST157, HIST201, HIST210, HIST211, HIST222, HIST254, HIST255, HIST265, or HIST275; or permission of instructor. The role of the Black in America since slavery, with emphasis on 20th-century developments: migration from farm to city; growth of the civil rights movement; the race question as a national problem.

0101	Alfred Moss TuTh 9:30am - 10:45am	Seats (Total: 45) SQH 1117

HIST462 **The United States Civil War**

HIST462 The United States Civil War; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST156, HIST157, HIST200, HIST213, HIST222, HIST254, HIST275; or permission of instructor.* Causes of the Civil War; sectional politics and secession; resources and strategy of the Confederacy and the Union; changing character of the war; emancipation and its consequences: economic, social and political conditions on the home front; and the wartime origins of Reconstruction. Not a military history course; little attention to the tactics of particular battles.

0101	Leslie Rowland TuTh 2:00pm - 3:15pm	Seats (Total: 45) KEY 0103

HIST471 **History of Brazil**

HIST471 History of Brazil; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST250, HIST251, LASC234, or LASC235; or permission of instructor.* The history of Brazil with emphasis on the national period.

0101	Daryle Williams TuTh 2:00pm - 3:15pm	Seats (Total: 45) KEY 0126

HIST473 **History of the Caribbean**

HIST473 History of the Caribbean; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: One of the following: HIST112, HIST113, HIST122, HIST123, HIST156, HIST157, HIST240, HIST250, or HIST251. Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th-century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the political and economic history of the Atlantic world.

0101	David Sartorius MW 2:00pm - 3:15pm	Seats (Total: 45) KEY 0116

HIST483 **History of Japan Since 1800**

HIST483 History of Japan Since 1800; (3 credits) Grade Method: REG/P-F/AUD. Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

0101	Charles Lilley TuTh 11:00am - 12:15pm	Seats (Total: 45) KEY 0116

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Paul Landau M 1:00pm - 3:30pm	Seats (Total: 15) TLF 2110

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 The Teaching of History in Institutions of Higher Learning; (1 credit) Grade Method: S-F.
For majors only.

0101	David Sicilia Contact instructor or department for details.	Seats (Total: 15)
0201	Robyn Muncy Contact instructor or department for details.	Seats (Total: 6)

HIST608B **General Seminar; American History**

HIST608B *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Robyn Muncy	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2100

HIST608J **General Seminar; 20th Century Latin America**

HIST608J *(PermReq)* **General Seminar: 20th Century Latin America; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Karin Rosemblatt	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2108

HIST610 **Introduction to Museum Scholarship**

HIST610 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as AMST655. Credit will be granted for only one of the following: AMST638C, AMST655, HIST610, or HIST619C. Formerly HIST619C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0101	Ellen Hughes	Seats (Total: 15)
	W 4:00pm - 6:40pm	Location: TBA

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619D **Special Topics in History; Comparative European Empires**

HIST619D Special Topics in History: Comparative European Empires; (1-3 credits) Grade Method: REG/AUD.

0101	Mikhail Dolbilov	Seats (Total: 12)
	Th 6:00pm - 8:30pm	TLF 2110

HIST619L **Special Topics in History; The Roman City in Late Antiquity**

HIST619L Special Topics in History: The Roman City in Late Antiquity; (1-3 credits) Grade Method: REG/AUD.

0101	Kenneth Holum	Seats (Total: 12)
	Contact instructor or department for details.	

HIST619R **Special Topics in History; Ethnoexodus: Maya Yucatec Topographic Ruptures**

HIST619R Special Topics in History: Ethnoexodus: Maya Yucatec Topographic Ruptures; (1 credit) Grade Method: REG/AUD.
Also offered as SPAN788R. Credit will be granted of only one of the following: HIST619R or SPAN788R.

0101	Karin Rosemblatt	Seats (Total: 30)
	Meets April 4, 2012 - April 7, 2012	
	Contact instructor or department for details.	

HIST638A **Special Topics in History; The 20th Century US: Politics, Culture and Institutions**

HIST638A Special Topics in History: The 20th Century US: Politics, Culture and Institutions; (3 credits) Grade Method: REG/AUD.

0101	David Freund W 1:00pm - 3:30pm	Seats (Total: 12) TLF 2101

HIST639L **Special Topics in History; History of Sexuality**

HIST639L Special Topics in History: History of Sexuality; (3 credits) Grade Method: REG/AUD.
Also offered as AMST628W. Credit will be granted for only one of the following: AMST628W or HIST639L.

0101	Clare Lyons M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST779B **Readings in Middle Eastern History; Law and Society in the Middle East Past and Present**

HIST779B Readings in Middle Eastern History: Law and Society in the Middle East Past and Present; (3 credits) Grade Method: REG/AUD.

0101	Madeline Zilfi Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2101

HIST798B **Readings in Jewish History; The Modernization of the Jews**

HIST798B Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG/AUD.
Also offered as JWST648B. Credit will be granted for only one of the following: HIST798B or JWST648B.

0101	Marsha Rozenblit	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	TLF 2110

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST811 **Museum Scholarship Practicum**

HIST811 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: HIST810 and permission of Museum Scholarship Program. Also offered as AMST857. Credit will be granted for only one of the following: AMST857 or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0201	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

HIST819A *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819E **Special Topics in History: Independent Research; Crime and Cinema**

HIST819E Special Topics in History: Independent Research: Crime and Cinema; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788C and SLLC698C. Class meets on Fridays from 2:00-4:00pm on the following dates: February 10, March 2, March 16, and April 27 in HBK 0302H.

0101	Elizabeth Papazian	Seats (Total: 20)
	Meets February 10, 2012 - April 27, 2012	
	Contact instructor or department for details.	

HIST819O **Special Topics in History: Independent Research; Writing on the American Social History**

HIST819O Special Topics in History: Independent Research: Writing on the American Social History; (1-3 credits) Grade Method: REG/AUD.

0101	Ira Berlin	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2110

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Spring 2012

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Shivonne Laird	Seats (Total: 30)
	W 4:00pm - 6:45pm	SPH 0308

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 Field Work in Aging; (1-6 credits) Grade Method: REG.

0101	Laura Wilson	Seats (Total: 1)
	Contact instructor or department for details.	

HLSA702 **Policy and Politics of Health**

HLSA702 Policy and Politics of Health; (3 credits) Grade Method: REG/AUD. Organizational and financial components of teh U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

0101	Lori Simon-Rusinowitz	Seats (Total: 10)
	Th 1:00pm - 3:45pm	ARM 0102

HLSA711 **Health Economics and Analysis**

HLSA711 Health Economics and Analysis; (3 credits) Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms. Also offeres as PUAF798G

0101	Jack Meyer	Seats (Total: 25)
	W 1:00pm - 3:45pm	SPH 0308

HLSA740 **Healthcare Strategic Planning and Marketing**

HLSA740 Healthcare Strategic Planning and Marketing; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

0101	Christopher King	Seats (Total: 25)
	Tu 7:00pm - 9:45pm	SPH 0303

HLSA785 **Internship in Public Health**

HLSA785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz	Seats (Total: 10)
	Contact instructor or department for details.	

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA790 **Advanced Methods in Health Services Research**

HLSA790 Advanced Methods in Health Services Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651; or consent of instructor. Provides an in-depth examination of health services research literature with emphasis on methodological scrutiny and application of methods beyond linear regression such as categorical regression, survival analysis, selection issues, and endogeniety.

0101	Rada Dagher	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	ANS 0402

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSC Integrated Life Sciences Spring 2012

HLSC322 **Principles of Genetics and Genomics**

HLSC322 Principles of Genetics and Genomics; (4 credits) Grade Method: REG/P-F/AUD.

0101	Raymond StLeger TuTh 3:30pm - 4:45pm Th 5:00pm - 6:50pm	Seats (Total: 20) BPS 1243 BPS 1243	 Discussion
0102	Raymond StLeger TuTh 3:30pm - 4:45pm Th 5:00pm - 6:50pm	Seats (Total: 20) BPS 1243 BPS 1236	 Discussion
0103	Raymond StLeger TuTh 3:30pm - 4:45pm Th 5:00pm - 6:50pm	Seats (Total: 20) BPS 1243 BPS 1234	 Discussion

HLTH Health Spring 2012

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0302

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Attendence is expected on the first day of class.

0101	Donna Howard TuTh 2:00pm - 3:15pm	Seats (Total: 200) SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Kimberly Heffernan TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan TuTh 12:30pm - 1:45pm	Seats (Total: 200) SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Carolyn Voorhees MWF 12:00pm - 12:50pm	Seats (Total: 150) JMZ 0220

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Katrina Debnam	Seats (Total: 200)
	TuTh 3:30pm - 4:45pm	SPH 1312

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Tracy Zeeger	Seats (Total: 200)
	TuTh 8:00am - 9:15am	SPH 1312

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HLTH200. For HLTH majors only. Also offered as EPIB300. Credit will be granted for only one of the following: EPIB300 or HLTH300. An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Carolyn Voorhees MWF 10:00am - 10:50am	Seats (Total: 150) SPH 1312
SG91	Walter Wood TuTh 10:00am - 11:15am	Seats (Total: 30) BLD3 3240
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH200 and HLTH300. For HLTH majors only. Also offered as EPIB301. Credit will be granted for only one of the following: EPIB301 or HLTH301.
An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Pamela Clark TuTh 9:30am - 10:45am	Seats (Total: 100) CSS 2324

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/P-F/AUD.
The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck TuTh 9:30am - 10:45am	Seats (Total: 40) SPH 0302

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. Restricted to students with greater than 60 credits.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
SG91	Allison Bayley M 2:00pm - 4:40pm	Seats (Total: 60) BLD3 4219
	Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2010 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 11:00am - 12:15pm	Seats (Total: 25) SPH 0305
0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0305
0301	Robert Feldman M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308
0401	Sylvette La Touche-Howard Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 1302

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 22) SPH 0305

0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 22) SPH 0307
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 22) SPH 0307
0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 22) SPH 0307
0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 22) SPH 0303

HLTH434 **Introduction to Public Health Informatics**

HLTH434 Introduction to Public Health Informatics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HLTH130. Not open to students who have completed HLTH498E. Credit will be granted for only one of the following: HLTH434 or HLTH498E. Formerly HLTH498E. Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats. Class will meet at the Shady Grove campus.

SG91	Sandra Saperstein W 9:30am - 12:20pm *Class meets at the Shady Grove campus.*	Seats (Total: 30) BLD3 2225

HLTH460 **Minority Health**

HLTH460 Minority Health; (3 credits) Grade Method: REG/P-F.
Prerequisite: HLTH140 or HLTH230 or permission of department. Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.

0101	Sylvette La Touche-Howard MWF 10:00am - 10:50am	Seats (Total: 40) SPH 0302

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

0101	Allison Bayley MWF 9:00am - 9:50am	Seats (Total: 200) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Nancy Smith MW 11:00am - 12:15pm	Seats (Total: 22) SPH 0303
0201	Nancy Smith MW 12:30pm - 1:45pm	Seats (Total: 22) SPH 0303
0301	Nancy Smith TuTh 12:30pm - 1:45pm	Seats (Total: 22) SPH 0303
0401	Tracy Zeeger TuTh 2:00pm - 3:15pm	Seats (Total: 22) SPH 0303

0501	Tracy Zeeger TuTh 11:00am - 12:15pm	Seats (Total: 22) SPH 0303

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting. Class will meet on Wednesdays (January 25, February 15, April 4, and May 2) in JMZ0220 from 1:00-3:00pm.

0101	Anne Anderson-Sawyer, Elbert Glover W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 110) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:30pm	Seats (Total: 30) SPH 0107

HLTH498O **Special Topics in Health; Health Opinion Leaders**
Contact department for information to register for this course.

HLTH498P **Special Topics in Health; Peer Mentors**
Contact department for information to register for this course.

HLTH665 **Health Behavior I**

HLTH665 Health Behavior I; (3 credits) Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors. For CHED and PCHL majors only.

0101	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0301

HLTH666 **Health Behavior II**

HLTH666 Health Behavior II; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 665. An advanced course with intensive training in health behavior research and the opportunity to carry out original research in health behavior. Patient-provider interaction, patient cooperation with medical treatment and other social and psychological influences on health care.

0101	Robert Feldman	Seats (Total: 10)
	Tu 7:00pm - 9:45pm	SPH 1301

HLTH670 **Public Health Informatics and Communications**

HLTH670 Public Health Informatics and Communications; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 688M. Credit will be granted for only one of the following: HLTH 670 or HLTH 688M. Formerly HLTH688M. Explores the use of current technology and communication techniques in the areas of public health research, planning, intervention and evaluation.

0101	Linda Aldoory	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 1302

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH711 **Advanced Research Methods in Health**

HLTH711 Advanced Research Methods in Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 710. For CHED and PCHL majors only. Quantitative techniques, advanced research methods and design issues.

0101	Kerry Green Th 4:00pm - 6:45pm	Seats (Total: 10) ANS 0402

HLTH742 **Professional Writing and Presentations**

HLTH742 Professional Writing and Presentations; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 688W. Credit will be granted for only one of the following: HLTH 742 or HLTH 688W. Formerly HLTH688W. Acquaints students with various types of professional writing required of public health professionals, including: grant proposals; journal articles; textbooks; presentation proposals and papers; and theses and dissertations. Includes both the form and content of technical documents as well as the processes of writing, peer review, and critique.

0101	Cheryl Holt M 4:00pm - 6:45pm	Seats (Total: 10) SPH 2387F

HLTH780 **Community Health**

HLTH780 Community Health; (3 credits) Grade Method: REG/AUD.
Not open to HLTH students who have completed HLTH740. Credit will be granted for only one of the following: HLTH740 or HLTH780. Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs. For CHED and PCHL majors only.

0101	Sharon Desmond M 4:00pm - 6:45pm	Seats (Total: 25) SPH 1301

HLTH785 **Internship in Public Health**

HLTH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG.
Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Elbert Glover, Anne Anderson-Sawyer	Seats (Total: 25)
	W 7:00pm - 9:00pm Contact instructor or department for details.	SPH 0303

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Spring 2012

HONR208C **Honors Seminar: Are We Rome?**

HONR208C Honors Seminar: Are We Rome?; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Gregory Staley MW 3:30pm - 4:45pm	Seats (Total: 20) WDS 1127

HONR208L **Justice Matters: Law, Literature, and Film**

HONR208L Justice Matters: Law, Literature, and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sara Schotland TuTh 9:30am - 10:45am	Seats (Total: 20) BPS 1238

HONR208M **Honors Seminar: Utopia and Dystopia: Reality and Relevance**

HONR208M Honors Seminar: Utopia and Dystopia: Reality and Relevance; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Sara Schotland TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1168

HONR208N **Global Migrations**

HONR208N Global Migrations; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Jason Rudy MW 12:00pm - 1:15pm	Seats (Total: 20) TWS 3132

HONR208O **The Human Mind and the Nature of the Self**

HONR208O The Human Mind and the Nature of the Self; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Jerome Regier TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 4102

HONR208R **Leonardo and the Science of Art**

HONR208R Leonardo and the Science of Art; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Meredith Gill Th 2:00pm - 4:30pm	Seats (Total: 20) ASY 3217

HONR208T **The Art of Mathematics**

HONR208T The Art of Mathematics; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Jonathan Rosenberg MW 11:00am - 12:15pm	Seats (Total: 20) WDS 0104

HONR208V **The Ancient Roman City: Pompeii and Beyond**

HONR208V The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Robert Vann TuTh 11:00am - 12:15pm	Seats (Total: 20) ARC 1127

HONR208Z **American Tensions**

HONR208Z American Tensions; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0103

HONR209M **Fair Division--from Cake Cutting to Dispute Resolution**

HONR209M Fair Division--from Cake Cutting to Dispute Resolution; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	William Gasarch TuTh 12:30pm - 1:45pm	Seats (Total: 21) WDS 1131

HONR219D **On Beyond Dinosaurs: Patterns and Enigmas in Vertebrate Evolution**

HONR219D On Beyond Dinosaurs: Patterns and Enigmas in Vertebrate Evolution; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	John Merck TuTh 11:00am - 12:15pm	Seats (Total: 20) CHE 2145

HONR219N **Honors Seminar: I Know What You're Thinking: Language Acquisition and Mind Development**

HONR219N Honors Seminar: I Know What You're Thinking: Language Acquisition and Mind Development; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Erin Eaker MW 2:00pm - 3:15pm	Seats (Total: 20) SKN 1116

HONR219T **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

HONR219T Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Lewis Link M 2:00pm - 4:30pm	Seats (Total: 20) HBK 1108

HONR219Z **Apocalypse Then and Now: World Traditions of the End Times**

HONR219Z Apocalypse Then and Now: World Traditions of the End Times; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) ELL 0108

HONR228V **Warfare and Society in Greece, Rome, and Byzantium**

HONR228V Warfare and Society in Greece, Rome, and Byzantium; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) HBK 1112

HONR229F **Honors Seminar: New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Leslie Walker Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) KNI 2105 KNI 2105

HONR229X **Black Holes and the Extremes of Space, Time, and Gravity**

HONR229X Black Holes and the Extremes of Space, Time, and Gravity; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Michael Miller M 2:00pm - 4:30pm	Seats (Total: 20) CSS 2416

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Korey Rothman Tu 2:00pm - 4:30pm	Seats (Total: 20) KEB 1200

HONR238B **Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film**

HONR238B Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0103

HONR238C **The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power**

HONR238C The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Tyson Slocum W 3:00pm - 5:30pm	Seats (Total: 20) PLS 1115

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ANA 0120
0201	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR238W **Honors Seminar: Physics for Decision Makers: The Global Energy Crisis**

HONR238W Honors Seminar: Physics for Decision Makers: The Global Energy Crisis; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Jordan Goodman MW 3:30pm - 4:45pm	Seats (Total: 20) PHY 1204

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Anne Warren MW 2:00pm - 3:15pm	Seats (Total: 20) ANA 0120

HONR239O **Honors Seminar: Great Physicists of the 20th Century**

HONR239O Honors Seminar: Great Physicists of the 20th Century; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Oscar Greenberg TuTh 10:00am - 11:15am	Seats (Total: 20) PHY 4102

HONR249A **I, Too, Stage America: Multicultural Drama and the American Dream**

HONR249A I, Too, Stage America: Multicultural Drama and the American Dream; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Faedra Carpenter TuTh 11:00am - 12:15pm	Seats (Total: 20) CHE 2136

HONR249E **Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas**

HONR249E Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	James Fry TuTh 3:30pm - 4:45pm	Seats (Total: 20) PAC 2168

HONR249K **Honors Seminar: The United States in Vietnam: A Crossroads in American Society**

HONR249K Honors Seminar: The United States in Vietnam: A Crossroads in American Society; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	William Hammond W 5:00pm - 7:30pm	Seats (Total: 20) PLS 1146

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR258J **Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts**

HONR258J Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Susan Dwyer MW 11:00am - 12:15pm	Seats (Total: 20) ANA 0103

HONR259P **Jane Austen: Her World, Our Obsession**

HONR259P Jane Austen: Her World, Our Obsession; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Ingrid Satelmajer MW 4:00pm - 5:15pm	Seats (Total: 20) ANA 0120

HONR268B **Pathways to Literacy: Developing an Educational Curriculum for Children Using Songs Inspired by Literature**

HONR268B Pathways to Literacy: Developing an Educational Curriculum for Children Using Songs Inspired by Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Steven Selden Tu 2:00pm - 4:30pm	Seats (Total: 20) ASY 3221

HONR268C **Honors Seminar: Public Health Perspectives: How Does the Environment affect Human Health**

HONR268C Honors Seminar: Public Health Perspectives: How Does the Environment affect Human Health; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Amir Sapkota M 2:00pm - 4:30pm	Seats (Total: 20) CSS 2428

HONR268L **Honors Seminar: United States Immigration Issues**

HONR268L Honors Seminar: United States Immigration Issues; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3136

HONR268W **Honors Seminar: Disability Studies: Stories, Law, and Social Policy**

HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sara Schotland Tu 2:00pm - 4:30pm	Seats (Total: 20) CHE 2116

HONR269E **Honors Seminar: Exploring Key Issues of Globalization**

HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3252

HONR269M **Honors Seminar: Crime and Delinquency Prevention**

HONR269M Honors Seminar: Crime and Delinquency Prevention; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Denise Gottfredson WF 2:00pm - 3:15pm	Seats (Total: 20) KEY 0126

HONR269R **Honors Seminar: Demystifying Environmental Radioactivity**

HONR269R Honors Seminar: Demystifying Environmental Radioactivity; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Edward Landa	Seats (Total: 20)
	Tu 4:00pm - 7:00pm	HJP 1129

HONR269T **Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Temim Nusraty	Seats (Total: 20)
	Th 6:00pm - 8:30pm	ANA 0120

HONR269W **Honors Seminar: Urban Poverty and Culture**

HONR269W Honors Seminar: Urban Poverty and Culture; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Odis Johnson	Seats (Total: 20)
	W 4:00pm - 6:30pm	SQH 1105

HONR269Y **Honors Seminar: Live at Maryland: Engage the Arts!**

HONR269Y Honors Seminar: Live at Maryland: Engage the Arts!; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Michael Votta	Seats (Total: 20)
	MW 3:00pm - 4:15pm	PAC 2160

HONR278F **Honors Seminar: Affordable Housing: Form and Reform**

HONR278F Honors Seminar: Affordable Housing: Form and Reform; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Isabelle Gournay	Seats (Total: 20)
	Th 2:00pm - 4:30pm	ARC 1111

HONR279E **Honors Seminar: Languages of Europe**

HONR279E Honors Seminar: Languages of Europe; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Robert De Keyser TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANA 0103

HONR279O **Honors Seminar: Counterterrorism**

HONR279O Honors Seminar: Counterterrorism; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) LPA 0124
0201	John Newman M 3:30pm - 6:00pm	Seats (Total: 20) PLS 1180

HONR279P **Honors Seminar; Understanding and Coping with Stress**

HONR279P Honors Seminar: Understanding and Coping with Stress; (3 credits) Grade Method: REG.

0101	Stacey Daughters M 2:00pm - 4:30pm	Seats (Total: 20) SPH 0305

HONR279Z **Honors Seminar: Globalization**

HONR279Z Honors Seminar: Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	George Ritzer M 2:30pm - 5:00pm	Seats (Total: 20) ANA 0103

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1180

HONR288M **Honors Seminar: Boomtowns: Technological Innovations in the Context of Community**

HONR288M Honors Seminar: Boomtowns: Technological Innovations in the Context of Community; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Sheryl Ehrman W 3:00pm - 5:30pm	Seats (Total: 20) HBK 0105

HONR288N **Understanding the Global Economic Environment**

HONR288N Understanding the Global Economic Environment; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Curtis Grimm M 5:00pm - 7:30pm	Seats (Total: 20) VMH 1415

HONR288O **Honors Seminar: Why Do Things Fail?**

HONR288O Honors Seminar: Why Do Things Fail?; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	William Fourney TuTh 9:30am - 10:45am	Seats (Total: 20) JMP 2202

HONR288P **Honors Seminar: Why Do Things Burn?**

HONR288P Honors Seminar: Why Do Things Burn?; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
To register for this class, you must not be an Engineering major.

0101	Marino diMarzo TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMP 3106B

HONR288Q **Honors Seminar: The Psychology of Social Networking and Social Computing**

HONR288Q Honors Seminar: The Psychology of Social Networking and Social Computing; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Kent Norman	Seats (Total: 20)
	MW 2:30pm - 3:45pm	PLS 1129

HONR288W **Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work)**

HONR288W Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work); (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Wallace Oates	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TLF 1103

HONR288X **Honors Seminar: Sustaining the Wooded Hillock: A Living Classroom**

HONR288X Honors Seminar: Sustaining the Wooded Hillock: A Living Classroom; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Marla McIntosh, Mary Shea	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	RGC 1111

HONR289D **Honors Seminar: Bodies, Borders and Citizenship: Historical and Contemporary Perspectives on American Immigration**

HONR289D Honors Seminar: Bodies, Borders and Citizenship: Historical and Contemporary Perspectives on American Immigration; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Sonya Michel	Seats (Total: 20)
	Th 2:00pm - 4:30pm	HZF 0101

HONR289F **Honors Seminar: Conflict in America**

HONR289F Honors Seminar: Conflict in America; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Edwin Smead	Seats (Total: 20)
	W 3:30pm - 6:00pm	WDS 0104

HONR289K **Honors Seminar: Making Difficult Decisions**

HONR289K Honors Seminar: Making Difficult Decisions; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Hugh Courtney	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	VMH 1336

HONR289L **Honors Seminar: Biofuels: Fact or Fiction?**

HONR289L Honors Seminar: Biofuels: Fact or Fiction?; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Steven Hutcheson	Seats (Total: 20)
	M 4:00pm - 6:40pm	PLS 1111

HONR298D **Honors Seminar: Human Difference, Cultural Understanding andSocial Healing**

HONR298D Honors Seminar: Human Difference, Cultural Understanding andSocial Healing; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Tony Whitehead	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	WDS 1131

HONR348M **Advanced Honors Seminar; Stock Market**

HONR348M Advanced Honors Seminar: Stock Market; (3 credits) Grade Method: REG.

0101	Eric Wish	Seats (Total: 20)
	Th 2:00pm - 4:50pm	ANA 0120

HONR348P **Advanced Honors Seminar; Primary Research Presentations and Publications**

HONR348P *(PermReq)* **Advanced Honors Seminar: Primary Research Presentations and Publications; (1 credit)** Grade Method: REG.

0101	William Dorland Th 5:00pm - 6:15pm	Seats (Total: 20) ANA 0103

HONR349E **Honors Colloquium; Visual Culture and Communication**

HONR349E Honors Colloquium: Visual Culture and Communication; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: COMM398A or HONR349E.

0101	William Lawson TuTh 3:30pm - 4:45pm	Seats (Total: 20) TLF 1103

HONR349I **Honors Colloquium; Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy**

HONR349I Honors Colloquium: Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy; (3 credits) Grade Method: REG.

0101	Noah Drezner, Robert Grimm Th 2:00pm - 4:30pm	Seats (Total: 25) TLF 1126
0201	Noah Drezner, Robert Grimm Th 2:00pm - 4:30pm	Seats (Total: 25) JMZ 0208

HONR349P **Honors Colloquium; Sports Media Today**

HONR349P Honors Colloquium: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chartese Burnett Th 6:00pm - 9:00pm	Seats (Total: 5) KNI 3202

HONR349Q **Honors Colloquium; Sports, Society, Culture and the Media**

HONR349Q *(PermReq)* **Honors Colloquium: Sports, Society, Culture and the Media; (3 credits)** Grade Method: REG/P-F/AUD.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 5) KNI 3200

HONR349R **Honors Colloquium; Financial Crises in the Era of Globalization**

HONR349R Honors Colloquium: Financial Crises in the Era of Globalization; (3 credits) Grade Method: REG.
Credit will be granted for one of the following: ECON442 or HONR349R.

0101	Enrique Mendoza MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1120

HONR349T **Honors Colloquium; Art and Authority**

HONR349T Honors Colloquium: Art and Authority; (3 credits) Grade Method: REG.

0101	Rex Weil TuTh 6:00pm - 7:15pm	Seats (Total: 20) ASY 2309

HONR349V **Honors Colloquium; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy M 2:30pm - 5:00pm	Seats (Total: 20) ELL 0108

HONR359C **Honors Workshop**

Contact department for information to register for this course.

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

HONR379W **Honors Independent Study; Writing Internship: Maryland General Assembly Pre-Professional Writing Internship**

HONR379W *(PermReq)* **Honors Independent Study: Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as ENGL388M.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

HONR379Z **Honors Independent Study; Further Implications of Knowledge**
Contact department for information to register for this course.

HONR388 **Honors Thesis or Project**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Spring 2012

INAG101 **Computer Applications**

INAG101 Computer Applications; (3 credits) Grade Method: REG.
Formerly AGECI-17.

0101	Roy Walls	Seats (Total: 20)
	MW 10:00am - 11:50am	ANS 0509

INAG104 **Agricultural Mathematics**

INAG104 Agricultural Mathematics; (3 credits) Grade Method: REG/AUD.
Formerly AGMAI-1.

0101	Raymond Gless	Seats (Total: 20)	
	MWF 9:00am - 9:50am	JUL 1123	

INAG105 **Soils and Fertilizers**

INAG105 Soils and Fertilizers; (3 credits) Grade Method: REG.
Formerly AGROI-1.

0101	Raymond Gless	Seats (Total: 25)	
	MW 1:00pm - 1:50pm	JUL 1123	
	F 1:00pm - 2:50pm	HJP 0210	Lab

INAG106 **Pesticide Use and Safety**

INAG106 Pesticide Use and Safety; (2 credits) Grade Method: REG.
Formerly AGROI-11.

0101	Ronald Myers	Seats (Total: 50)
	W 3:00pm - 4:50pm	JUL 1123

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/AUD.
Formerly COMMI-1. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Glori Hyman	Seats (Total: 22)
	MWF 12:00pm - 12:50pm	JUL 1123

INAG114 **Plant Propagation**

INAG114 Plant Propagation; (3 credits) Grade Method: REG/AUD.
Formerly HORTI-3.

0101	Kenneth Ingram	Seats (Total: 12)
	TuTh 9:00am - 10:50am	JUL 1123

INAG199 **Special Problems**

INAG199 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Justin Mathias Contact instructor or department for details.	Seats (Total: 5)
0201	Raymond Gless Contact instructor or department for details.	Seats (Total: 5)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 5)
0401	Roy Walls Contact instructor or department for details.	Seats (Total: 5)
0501	Justin Mathias Contact instructor or department for details.	Seats (Total: 5)
0601	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 10)
0701	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 5)

INAG204 **Business Management**

INAG204 Business Management; (3 credits) Grade Method: REG.
Formerly AGECI-15.

0101	Raymond Gless TuTh 11:00am - 12:15pm	Seats (Total: 30) JUL 1123

INAG205 **Analyzing Alternative Enterprises**

INAG205 Analyzing Alternative Enterprises; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-16.

0101	Ellen Polishuk TuTh 12:30pm - 1:45pm	Seats (Total: 35) JUL 1123

INAG206 **Business Law**

INAG206 Business Law; (3 credits) Grade Method: REG.
Formerly AGECI-2.

0101	Glori Hyman, Michael Grady	Seats (Total: 30)	
	W 5:30pm - 8:20pm	JUL 1123	

INAG207 **Power Machinery**

INAG207 Power Machinery; (3 credits) Grade Method: REG.
Formerly AGENI-2.

0101	Roy Walls	Seats (Total: 14)	
	TuTh 9:30am - 10:45am	ANS 0504	
	M 3:00pm - 4:50pm	ANS 0504	Lab

INAG214 **Agronomic Principles for Golf and Turf Management**

INAG214 Agronomic Principles for Golf and Turf Management; (3 credits) Grade Method: REG.
Formerly AGROI-4.

0101	Justin Mathias	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	JUL 1123	
	Th 3:00pm - 4:50pm	JUL 1123	Lab

INAG215 **Business Management Practices for Turf Facilities**

INAG215 Business Management Practices for Turf Facilities; (3 credits) Grade Method: REG.
Formerly AGROI-5.

0101	Justin Mathias	Seats (Total: 25)	
	TuTh 2:00pm - 2:50pm	JUL 1123	
	Tu 3:00pm - 4:50pm	JUL 1123	Lab

INAG244 **Herbaceous Annuals and Perennials**

INAG244 Herbaceous Annuals and Perennials 3; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Ingram	Seats (Total: 15)	
	TuTh 2:00pm - 2:50pm	JUL 1111	
	TuTh 3:00pm - 3:50pm	JUL 1111	Lab

INAG248 **Topics in Sustainable Agriculture**

INAG248 Topics in Sustainable Agriculture; (1 credit) Grade Method: REG/P-F/AUD.

0101	Ellen Polishuk	Seats (Total: 20)
	Tu 6:00pm - 7:50pm	JUL 1123

INAG299A **Supervised Work Experience; Internship I**

INAG299A Supervised Work Experience: Internship I; (1 credit) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**

INAG299B Supervised Work Experience: Internship II; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM Information Management Spring 2012

INFM289I **Social Networking: Technology and Society**

INFM289I Social Networking: Technology and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jennifer Golbeck	Seats (Total: 70)
	TuTh 2:00pm - 3:15pm	CCC 1205

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

SG01	Taverekere Srikantaiah	Seats (Total: 30)
	M 6:00pm - 8:45pm	BLD3 2219

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC 690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

SG01	Douglas Oard	Seats (Total: 30)
	W 6:00pm - 8:45pm	BLD3 2216

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	W 2:00pm - 4:45pm	HBK 2119

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

0101	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 15) ONLINE

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or permission of instructor. Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs W 6:00pm - 8:45pm	Seats (Total: 25) PLS 1115

INFM718A **Selected Topics in Information Management; Information for Decision Making**

INFM718A Selected Topics in Information Management: Information for Decision Making; (3 credits) Grade Method: REG/AUD.

SG01	Vedat Diker Class time/details on ELMs	Seats (Total: 30) ONLINE

INFM718B **Selected Topics in Information Management; Building the Human-Computer Interface**

INFM718B Selected Topics in Information Management: Building the Human-Computer Interface; (3 credits) Grade Method: REG/AUD.
Also offered as LBSC790.

0101	Leah Findlater Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 0103

INFM718F **Selected Topics in Information Management; Issues in Leadership in the Information Professions**

INFM718F Selected Topics in Information Management: Issues in Leadership in the Information Professions; (3 credits) Grade Method: REG/AUD.

0101	Ann Prentice	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

INFM718M **Selected Topics in Information Management; Research Methods in Library and Information Studies**

INFM718M Selected Topics in Information Management: Research Methods in Library and Information Studies; (3 credits) Grade Method: REG/AUD.

0101	Bo Xie	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0115

INFM718X **Selected Topics in Information Management; E-Discovery**

INFM718X Selected Topics in Information Management: E-Discovery; (1-3 credits) Grade Method: REG/AUD.

0101	Jason Baron, Douglas Oard	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 2119

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (3 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Katy Lawley	Seats (Total: 16)
	Contact instructor or department for details.	

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (3 credits) Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Raymond Paquette	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Mary Maher	Seats (Total: 10)
	Contact instructor or department for details.	

INFM741 **Social Computing Technologies and Applications**

INFM741 Social Computing Technologies and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM605 or permission of instructor. Tools and techniques for developing and configuring social computing applications. Theories and paradigms for social computing. Strengths and limitations of different application styles and types. Evolution of applications as responses to social computing challenges. Information and organizational systems co-development.

0101	Brian Butler	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 2119

INST Information Studies Spring 2012

INST607 **E-Government: Information, Communication, and Policy**

INST607 E-Government: Information, Communication, and Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly: INFM718E and LBSC708E. Credit will be granted for only one of the following: INFM718E, INST607, or LBSC708E. Use of the Internet and other technologies by governments to provide information, communication, and services. Social, policy, and technological impacts on access and use, government-citizen interactions, digital divides. Roles of cultural institutions in supporting e-government access. Social media, collaborative, and enterepreneurial uses of e-government.

0101	Jessica McGilvray M 6:00pm - 8:45pm	Seats (Total: 30) HBK 1108

INST610 **Information Ethics**

INST610 Information Ethics; (3 credits) Grade Method: REG/AUD.
Formerly:INFM718Q and LBSC708I. Not open to students who have completed INFM718Q or LBSC708I. Credit will be granted for only one of the following: INFM718Q, INST610, or LBSC708I. Investigation of the diverse range of ehtical challanges facing society in the information age. Ethical theories, including non-Western and feminist theories. Application of theories to information ethics issues.

0101	Kenneth Fleischmann Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

INST612 **Information Policy**

INST612 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: INST612 or LBSC625. Formerly LBSC625. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

SG01	Katie Shilton Th 6:00pm - 8:45pm	Seats (Total: 30) BLD3 3226

INST715 **Knowledge Management**

INST715 Knowledge Management; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Credit will be granted for only one of the following: INST715 or LBSC715. Formerly LBSC715.* Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

0101	Raymond Paquette	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST728B **Special Topics in Information Studies; Information and Human Rights**

INST728B Special Topics in Information Studies: Information and Human Rights; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Jaeger	Seats (Total: 30)
	W 5:30pm - 8:15pm	HBK 2119

INST728C **Special Topics in Information Studies; Computational Linguistics II**

INST728C Special Topics in Information Studies: Computational Linguistics II; (3 credits) Grade Method: REG/AUD.

0101	Jordan Boyd-Graber	Seats (Total: 30)
	W 1:30pm - 4:00pm	KEB 1200

INST728D **Special Topics in Information Studies; Technology Commercialization**

INST728D Special Topics in Information Studies: Technology Commercialization; (3 credits) Grade Method: REG.

0101	Brent Goldfarb	Seats (Total: 40)
	Meets January 23, 2012 - May 11, 2012	
	W 3:00pm - 6:00pm	VMH 2505

ISRL Israel Studies Spring 2012

ISRL142 **Introduction to Modern Israel**

ISRL142 Introduction to Modern Israel; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Recommended: For students with little to no experience or previous knowledge of Israel. Credit will be granted for only one of the following: ISRL142 or JWST142.* An introduction to the history, politics, culture and society of modern Israel.

0101	Yuval Benziman	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EGR 3106

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel**
Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**
Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**
Contact department for information to register for this course.

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**
Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

ISRL369C **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**
Contact department for information to register for this course.

ISRL369I **Special Topics in Study Abroad; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search For Common Ground**
Contact department for information to register for this course.

ISRL448D **Seminar in Israel Studies; Dividing Palestine? Examining Jewish-Arab Negotiations in the 1930's**

ISRL448D *(PermReq)* **Seminar in Israel Studies: Dividing Palestine? Examining Jewish-Arab Negotiations in the 1930's; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as HIST428V. Instructor permission required. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leaders of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

0101	Paul Scham	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 0142

ISRL448L **Seminar in Israel Studies; Israel Politics and Society for Young Leaders**

ISRL448L Seminar in Israel Studies: Israel Politics and Society for Young Leaders; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT399G. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

0101	Yoram Peri	Seats (Total: 25)
	M 4:00pm - 6:30pm	KEY 0126

ISRL449B **Advanced Topics in Israel Studies; Israel and International Development**

ISRL449B Advanced Topics in Israel Studies: Israel and International Development; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT378B and PUAF388B. This course focuses on Israel's international cooperation for human development in the context of core issues such as poverty, governance and capacity building. Through case studies, the course also offers a practical grasp of the tools of development from project design through evaluation and lesson learning.

0101	Jacques Roumani	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EGR 1108

ISRL449C **Advanced Topics in Israel Studies; Studying Society Through Cultural Texts: The Israeli Case**

ISRL449C Advanced Topics in Israel Studies: Studying Society Through Cultural Texts: The Israeli Case; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SOCY398O. Examines four important aspects of Israeli society as they are portrayed in Israeli culture, and the differences between their representations in culture and "reality."

0101	Yuval Benziman	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 3106

ISRL449E **Advanced Topics in Israel Studies: Israeli Bedouin**

ISRL449E Advanced Topics in Israel Studies: Israeli Bedouin; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An examination of Israel's Bedouin society, including cultural heritage, ethnic identity, conflict resolution, family structure, issues regarding polygamy, the traditional justice system, and relations with other Israelis, including the government.

0101	Salman Elbedour	Seats (Total: 35)
	W 3:00pm - 5:30pm	HZF 0101

ISRL449L **Advanced Topics in Israel Studies; Modern Hebrew Literature in Translation**

ISRL449L Advanced Topics in Israel Studies: Modern Hebrew Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498T, ENGL479T, HEBR498L and JWST429L. What issues populated Hebrew literature written before the establishment of the State of Israel, and what issues emerged in the literature written after the establishment ofthe State? In this class we will consider Hebrew literature as seperate from Israeli literature, authored from the turn ofthe twentieth century until the present moment.

0101	Sheila Jelen	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	TWS 3134

ISRL449M **Cultural Diversity and Multiple Identities in Contemporary Israeli Society**

ISRL449M Cultural Diversity and Multiple Identities in Contemporary Israeli Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. Not recommended for students who have completed ISRL349D in Fall 2011. An examination of Israel's 60-year cultural history including issues of immigration, the nature and development of the Jewish nation-state, the place of ethnic communities, the role of military in cultural institutions, education, gender and the role of post-modernism in understanding the society.

0101	Pnina Peri	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CHM 1228

ISRL449W **Advanced Topics in Israel Studies; Women and Gender in Israel**

ISRL449W Advanced Topics in Israel Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as WMST498G.

0101	Pnina Peri	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CHM 1228

ITAL Italian Spring 2012

ITAL103 **Intensive Elementary Italian**

Students with no experience in the language are invited to register for ITAL103.
ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Appropriate Foreign Language Placement Testing (FLPT) score. Not open to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2122
	W 10:00am - 10:50am	TYD 1108

0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 2122 TYD 1108
0301	Maria Fleri MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) PLS 1146 JMZ 0125
0401	Maria Fleri MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) PLS 1146 JMZ 0122

ITAL122 **Accelerated Italian II**

ITAL122 Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: ITAL203 or ITAL122.
Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement. Also offered as ITAL122H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2123

ITAL122H **Accelerated Italian II**

ITAL122H Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: ITAL203 or ITAL122.
Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement. For general honors students only. Also offered as ITAL122.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2123

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**
Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent; or Appropriate Foreign Language Placement Testing (FLPT) score. Not open to students who have completed ITAL122 or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206 JMZ 1122
0201	Federica Deigan TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122 TYD 1108

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122; or Appropriate Foreign Language Placement Testing (FLPT) score. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Margherita Morando MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 3205

ITAL207 **Reading and Writing in Italian**

ITAL207 Reading and Writing in Italian; (3 credits) Grade Method: REG/P-F/AUD. *Not open to fluent/native speakers of Italian. Prerequisite: ITAL204 or equivalent.* Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Margherita Morando	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 1224

ITAL261 **Cuisine, Culture, and Society in Italy Yesterday and Today**

ITAL261 Cuisine, Culture, and Society in Italy Yesterday and Today; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. *Prerequisite: ITAL204 or permission of department.* Exposes students to an important aspect of Italian culture: the art of gastronomy. Provides an in-depth understanding of the close relationship between food and culture, while enriching their knowledge of the Italian language through reading and analysis of various texts which deal with the preparation and adaptation of Italian food in different cultural settings. Taught in Italian.

0101	Stefania Amodeo	Seats (Total: 25)
	MW 12:00pm - 12:50pm	JMZ 3120
	F 12:00pm - 12:50pm	JMZ 3120

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**
Contact department for information to register for this course.

ITAL301 **Italian Composition**
Contact department for information to register for this course.

ITAL311 **Advanced Oral Expression: Current Events**

ITAL311 Advanced Oral Expression: Current Events; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Italian. Prerequisite: ITAL211 or permission of department. Oral expression; development of idiomatic forms and vocabulary to level of the Italian press.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 3120

ITAL369W **Special Topics in Study Abroad III; Composition and Style**
Contact department for information to register for this course.

ITAL386 **Experiential Learning**

ITAL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL411 **Dante in Translation**

ITAL411 Dante in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL411 or ITAL412. Dante's thought as expressed in his major writings: The Vita Nuova, De Monarchia and The Divine Comedy. Taught in English.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	JMZ 3205

ITAL421 **The Italian Renaissance**
Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL473 **Italian Cinema II - In Translation**

ITAL473 Italian Cinema II - In Translation; (3 credits) Grade Method: REG/P-F/AUD.
Freshman standing. Repeatable to 3 credits if content differs. Also offered as ITAL474. Credit will be granted for only one of the following: ITAL473 or ITAL474. Formerly ITAL499E. A study of Italian society and culture through the medium of film from the mid 1970's to the present. Taught in English.

0101	Joseph Falvo MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3205

ITAL475 **The Italian Opera Libretto in English**
Contact department for information to register for this course.

ITAL478C **Colloquium in Italian; Italian Cinema II: A New Generation of Filmmakers**

ITAL478C Colloquium in Italian: Italian Cinema II: A New Generation of Filmmakers; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL473.

0101	Joseph Falvo W 1:00pm - 1:50pm	Seats (Total: 10) JMZ 0120

ITAL478D **Colloquium in Italian; Dante**

ITAL478D Colloquium in Italian: Dante; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL 411.

0101	Joseph Falvo W 10:00am - 10:50am	Seats (Total: 10) JMZ 3118

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: four courses at 400-level in Italian; permission of department. Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JAPN Japanese Spring 2012

JAPN102 **Elementary Japanese II**

JAPN102 Elementary Japanese II; (6 credits) Grade Method: REG.
Prerequisite: grade of C- or better in JAPN101 or permission of instructor. Continued introduction to the basic spoken patterns of contemporary Japanese.

0101	Etsuko Yamakita MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 0120 JMZ 0205
0201	Kumiko Akikawa, Rika Seya MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1120 JMZ 2207
0301	Kumiko Akikawa, Rika Seya MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1120 JMZ 0118
0401	Kumiko Akikawa MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0120 JMZ 2125

JAPN202 **Intermediate Japanese II**

JAPN202 Intermediate Japanese II; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: a grade of C- or better in JAPN201 or permission of instructor. Contemporary spoken and written Japanese.

0101	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) ARC 1123

0201	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0118
0301	Makiko Inoue M 11:00am - 12:50pm F 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 15) ARC 1125 ARC 1123 ARC 1123

JAPN302 **Advanced Japanese II**

JAPN302 Advanced Japanese II; (6 credits) Grade Method: REG.
Prerequisite: a grade of C- or better in JAPN301 or permission of instructor. Continued readings in varied modern texts and advanced conversation and oral comprehension.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 2125
0201	Eiko Miura MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 3118

JAPN386 **Experiential Learning**

JAPN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

JAPN401 **Readings in Modern Japanese Literature**

JAPN401 Readings in Modern Japanese Literature; (3 credits) Grade Method: REG.
Prerequisite: a grade of C- or better in JAPN302 or permission of instructor.
Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

0101	Satoko Naito Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 15) JMZ 0205 JMZ 0205

JAPN418W **Japanese Literature in Translation; Women and Japanese Literature**

JAPN418W Japanese Literature in Translation: Women and Japanese Literature; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Satoko Naito	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 0125

JAPN421 **History of the Japanese Language**

JAPN421 History of the Japanese Language; (3 credits) Grade Method: REG.
Prerequisite: JAPN201 or permission of department. Investigation of the origin of the Japanese language, its relationship with other languages, and its development. Taught in English, but presumes knowledge of Kanji (Chinese characters).

0101	Samuel Ramsey	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	JMZ 2206

JAPN498A **Special Topics in Japanese Studies; The Atomic Bomb in Literature and Memory: Japan and the U.S.**

JAPN498A Special Topics in Japanese Studies: The Atomic Bomb in Literature and Memory: Japan and the U.S.; (3 credits) Grade Method: REG.
Taught in English. Click here for more course information.

0101	Michele Mason	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMZ 2206

JAPN498P **Special Topics in Japanese Studies; Introduction to Japanese Syntax**

JAPN498P Special Topics in Japanese Studies: Introduction to Japanese Syntax; (3 credits) Grade Method: REG.
Prerequisite JAPN302. Taught in English.

0101	Carlos Pimentel	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HBK 0123

JAPN499 **Directed Study in Japanese**

JAPN499 *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Spring 2012

JOUR106 **Introduction to Studio Production**

JOUR106 Introduction to Studio Production; (1 credit) Grade Method: REG/P-F/AUD.
Course does not count toward a Journalism degree. Students will participate in various production roles to assist inthe production of UMTV shows.

0101	Manny Fantis **Meets January 25, 2012 - March 16, 2012** M 5:00pm - 6:40pm	Seats (Total: 14) TWS 0117
0201	Manny Fantis **Meets March 26, 2012 - May 10, 2012** M 5:00pm - 6:40pm	Seats (Total: 14) TWS 0117

JOUR150 **Introduction to Mass Communication**

JOUR150 Introduction to Mass Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Not applicable toward Journalism major/degree. Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

BL01	Ronald Yaros TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 34) KNI 1208 ONLINE
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 CSS 2416	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 ASY 3221	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 KEY 0119	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 KEY 0121	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 KEY 0124	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 KNI 3202	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 KNI 1208	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 BPS 1238	Discussion

JOUR181 **Grammar for Journalists**

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG.
Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181.
An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

0101	Linda Coleman Tu 9:30am - 10:20am	Seats (Total: 144) JMZ 0220

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department. Repeatable to 6 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in KNI 1100 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Christine Harvey Contact instructor or department for details.	Seats (Total: 20)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 Journalism History, Roles and Structures; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology.

0101	Soo-Kwang Oh TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1105
0201	Sandra Banisky TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0301	Carl Stepp MW 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0501	Kristin Eckert MW 9:30am - 10:45am	Seats (Total: 30) KNI 3202

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in both ENGL101 and JOUR181; and permission of department. For students intending to be journalism majors. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite. For students intending to be journalism majors.

0101	Elaine Povich MW 10:00am - 11:50am	Seats (Total: 18) KNI 2107
0201	Alan Goldenbach TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Joseph Weber MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101
0401	Steven Overly TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0601	Daniel Jacobs MW 8:00am - 9:50am	Seats (Total: 18) KNI 2103
0701	Raymond McCaffrey TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2107
0801	Raymond McCaffrey MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2103
0901	Rafael Lorente MW 8:00am - 9:50am	Seats (Total: 18) KNI 1101

JOUR201H **News Writing and Reporting I**

JOUR201H *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in both ENGL101 and JOUR181; and permission of department. For students intending to be journalism majors. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

0101	Penny Fuchs MW 10:00am - 11:50am	Seats (Total: 19) KNI 2105

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR203. For JOUR majors only. Copy editing, graphic principles and processes, new media technology.

0101	Robert Grover TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0201	Lauren Sausser TuTh 6:00pm - 7:50pm	Seats (Total: 18) KNI 1101
0301	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 1101

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Credit will be granted for only one of the following: JOUR203 or JOUR328G. Examining the basics of producing and editing digital photos, video, and audio. Topics inlcude: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	James McIntyre F 9:00am - 11:45am	Seats (Total: 18) KNI 2107

0201	Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2105
0301	Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2103
0401	Megan Rossman W 5:00pm - 7:45pm	Seats (Total: 18) KNI 2105
0501	Jonathan Sham W 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
This course does not count toward a journalism major's degree. Survey of the history, regulation and organization of advertising; advertising strategies and effects.

0101	Eric Zanot MW 10:00am - 11:15am	Seats (Total: 20) KNI 1105

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR203 with a grade of C- or better. Credit will be granted for only one of the following: JOUR202B or JOUR262. This skills based course is designed to introduce students to the production and content standards of professional video production for the broadcast and Internet news.

0101	Bethany Swain TuTh 7:00pm - 8:50pm Contact instructor or department for details.	Seats (Total: 14) KNI 3210
0201	Albert Calogero MW 7:30pm - 9:20pm Contact instructor or department for details.	Seats (Total: 14) KNI 3210

JOUR289I **Information 3.0: Exploring Technological Tools**

JOUR289I Information 3.0: Exploring Technological Tools; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Ronald Yaros TuTh 11:00am - 12:15pm	Seats (Total: 60) KNI 1208

JOUR289J **Probing War: Investigative Narratives and American Conflicts**

JOUR289J Probing War: Investigative Narratives and American Conflicts; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	William Beecher, Christopher Hanson, Deborah Nelson MW 11:00am - 12:15pm	Seats (Total: 60) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. For JOUR majors only.* Examination of ethical problems in news writing and reporting.

0101	Alan Goldenbach TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1103
0201	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 30) KNI 3202
0301	Diana Huffman TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C- or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, students should time manage their semester accordingly.

0101	Thomas Frank TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2103
0201	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 1206
0201	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 1206

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 10)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Credit will be granted for only one of the following: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky M 1:30pm - 4:30pm	Seats (Total: 5) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite JOUR320. Department permission required.

0101	Kevin Blackistone TuTh 9:30am - 10:45am	Seats (Total: 15) KNI 1206

JOUR328E **Special Topics in News Writing and Reporting; Science, Health and Environment Journalism**

JOUR328E *(PermReq)* **Special Topics in News Writing and Reporting: Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of instructor.

0101	Carol Rogers Tu 6:00pm - 8:45pm	Seats (Total: 10) KNI 1109

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320.

0101	Marlene Cimons	Seats (Total: 18)
	MW 4:00pm - 5:15pm	KNI 1101

JOUR328R **Special Topics in News Writing and Reporting; Business Reporting**

JOUR328R *(PermReq)* **Special Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Department permission required.

0101	Robert Matthews	Seats (Total: 15)
	W 6:00pm - 8:45pm	KNI 3200

JOUR337 **Patch U:Hyper-Local News Production**

JOUR337 *(PermReq)* **Patch U:Hyper-Local News Production; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360; and JOUR352; or permission of instructor. Credit will be granted for only one of the following: JOUR337, JOUR389P, or JOUR665. Formerly JOUR389P. The Patch U class is a capstone course on hyperlocal reporting. Students are assigned to specific Patch sites and work with the local editors to cover government, education and community news and write short features.

0101	Penny Fuchs	Seats (Total: 10)
	W 1:00pm - 4:00pm	KNI 2107

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C- or better in JOUR202 or JOUR262. Credit will be granted for only one of the following: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 1101
0201	George Lanum TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 1101

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR202 or JOUR262. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Alexandra Newman Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0201	Alexander Pyles Th 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0401	Richard Murphy M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details. *Contact instructor to obtain permission.*	Seats (Total: 12)

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. For JOUR majors only. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Wilson Andrews	Seats (Total: 6)
	Th 7:15pm - 10:00pm	KNI 2107

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers, building interactive content and special reports. Contact instructor to obtain permission.

0101	Sean Mussenden	Seats (Total: 5)
	Contact instructor or department for details.	

JOUR356 **Kaiser Health Multimedia Reporting**

JOUR356 *(PermReq)* **Kaiser Health Multimedia Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR203; and JOUR320 or JOUR360; and permission of department. Opportunities are provided for advanced reporting and writing on health topics, using traditional and multimedia storytelling tools.

0101	Christine Harvey	Seats (Total: 8)
	F 9:00am - 1:00pm	KNI 1101

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C- or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories.

0101	Jonathan Ebinger Tu 5:10pm - 7:00pm Th 5:20pm - 6:10pm	Seats (Total: 18) KNI 2107 KNI 2105	 Lab
0201	Jonathan Ebinger Tu 3:15pm - 5:05pm Th 3:30pm - 4:20pm	Seats (Total: 18) Location: TBA KNI 2105	 Lab
0301	Audrey Barnes Tu 3:30pm - 6:15pm	Seats (Total: 18) KNI 2105	

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Students will spend several hours per week on field assignments, in addition to scheduled class sessions.

0101	Cassandra Clayton, Stanley Heist M 12:00pm - 2:45pm W 4:00pm - 5:00pm	Seats (Total: 10) KNI 3210 KNI 2107	 Discussion
0201	Stanley Heist, Cassandra Clayton M 12:00pm - 2:45pm W 5:00pm - 6:00pm	Seats (Total: 8) KNI 3210 KNI 2107	 Discussion
0301	Joshua Davidsburg TuTh 7:00pm - 8:50pm Contact instructor or department for details.	Seats (Total: 10) TWS 0117	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Producing TV news.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab
0104	Cindy Wright Tu 7:00pm - 9:00pm Th 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab

JOUR363 **Long Form Broadcast Journalism**

JOUR363 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of department. For JOUR majors only. Production of long form broadcast news reporting, reality videos or documentaries.

0101	Cassandra Clayton M 3:00pm - 5:45pm Contact instructor or department for details.	Seats (Total: 5) KNI 3210

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 10)

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262, JOUR360 and JOUR361 or permission of department.

0101	Andrew Siegel M 10:00am - 12:45pm	Seats (Total: 12) KNI 2103

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Students are required to rent or purchase a digital camera. Contact department for camera specifications. Prerequisite: JOUR360. Also open to students who have completed JOUR320.

0101	John Davidson TuTh 3:30pm - 4:45pm	Seats (Total: 14) KNI 2103
0201	John Davidson TuTh 5:00pm - 6:15pm	Seats (Total: 14) KNI 2103

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 or permission of department.

0101	Robert Sachs TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 11) KNI 2103

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles.

0201	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 18) KNI 1206

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of instructor. Credit will be granted for only one of the following: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Rem Rieder	Seats (Total: 6)
	Contact instructor or department for details.	

JOUR385 **Visual Storytelling**

JOUR385 *(PermReq)* **Visual Storytelling; (3 credits)** Grade Method: REG.
Prerequisite: permission of instructor. Introduction to the theory and stylized forms of storytelling across various mediums and to understand how these forms have been adapted to visual storytelling. Students practice and refine their own visual storytelling and reporting skills.

0101	Stanton Paddock	Seats (Total: 10)
	MW 11:00am - 12:15pm	KNI 1109

JOUR389B **News Coverage of Special Topics; Broadcasting the Games: Covering Sports in Action**

JOUR389B *(PermReq)* **News Coverage of Special Topics: Broadcasting the Games: Covering Sports in Action; (3 credits)** Grade Method: REG.
Prerequisite: JOUR262 and JOUR360; or permission of department.

0101	Jeremiah Tittle	Seats (Total: 12)
	M 4:00pm - 6:45pm	KNI 2105

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship; Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship: Supervised Internship; (1 credit)** Grade Method: REG.
Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Christine Harvey	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

0101	Diana Huffman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KNI 1208
0201	Deborah Nelson	Seats (Total: 40)
	MW 5:00pm - 6:15pm	KNI 1208

JOUR412 **Biography As Journalism**

JOUR412 Biography As Journalism; (3 credits) Grade Method: REG.
Junior standing. Also offered as AMST498Z. Credit will be granted for only one of the following: JOUR412 or AMST498Z. Focuses on journalistic life histories, examining biography as a distinct genre. Students will refine research and writing skills as they trace the evolution of the life histories into today's narrative biographies.

0101	Mark Feldstein	Seats (Total: 15)
	Tu 9:00am - 11:45am	KNI 3200

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot W 1:00pm - 3:45pm	Seats (Total: 12) KNI 2109
0201	Kelly Stepno Tu 1:00pm - 3:45pm	Seats (Total: 12) KNI 2109

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 35) KNI 1208

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

0101	Kimberly Davis TuTh 5:00pm - 6:15pm	Seats (Total: 25) KNI 1105

JOUR456 **Literature in Journalism**

JOUR456 Literature in Journalism; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: JOUR456 or JOUR673. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Jacoba Incollingo M 12:45pm - 2:00pm W 12:45pm - 2:00pm	Seats (Total: 15) KNI 3200 KNI 1206

JOUR458B **Special Topics in Journalism; Sports Media Today**

JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.
Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating that news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored.

0101	Chartese Burnett Th 6:00pm - 9:00pm	Seats (Total: 20) KNI 3202

JOUR458R **Special Topics in Journalism; Religion in the Media**

JOUR458R Special Topics in Journalism: Religion in the Media; (3 credits) Grade Method: REG/P-F/AUD.
Covering spiritualities ranging from Mormons to Muslims can be daunting. Learn how to write about unfamiliar traditions, find religion sources an d ask the right questions.

0101	Julia Duin W 9:30am - 12:15pm	Seats (Total: 20) KNI 1206

JOUR459A **Special Topics in Journalism; Civil Rights Era to Obama: Race and The Media**

JOUR459A Special Topics in Journalism: Civil Rights Era to Obama: Race and The Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Haynes Johnson M 1:00pm - 3:45pm	Seats (Total: 22) KNI 1206

JOUR459B **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459E **Special Topics in Journalism; New Media Entrepreneurship**

JOUR459E Special Topics in Journalism: New Media Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
Section PC01 is only open to students in the Journalism Certificate Program. The course covers basic business and entrepreneurship concepts and explores how technology is transforming the business of media. Students develop and pitch ideas for media businesses, learn startup basics, do exercises in Internet advertising and business plan analysis, use social networks and other digital communication tools, and perform other hands- on exercises in business development and presentation. Click here for more information.

0101	Leslie Walker, Mark Potts W 4:00pm - 6:45pm	Seats (Total: 18) KNI 2103
PC01	Mark Potts Sa 1:30pm - 6:00pm	Seats (Total: 20) KNI 2105

JOUR459F **Special Topics in Journalism; Media in War and Crisis**
Contact department for information to register for this course.

JOUR459G **Special Topics in Journalism; Sports, Society, Culture and the Media**

JOUR459G *(PermReq)* **Special Topics in Journalism: Sports, Society, Culture and the Media; (3 credits)** Grade Method: REG.
Junior Standing and writing experience.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 10) KNI 3200

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century Contact department for information to register for this course.**

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:45am	Seats (Total: 10) KNI 1206

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A university statistics course. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 18) KNI 2107 KNI 2107

JOUR471 **Public Opinion Research**

JOUR471 *(PermReq)* **Public Opinion Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: a University statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 2103

JOUR479G **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

JOUR479G *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.

0101	James Baxter	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 3200

JOUR479N **Special Topics in Data Gathering and Analysis; Carnegie Research Seminar**

JOUR479N *(PermReq)* **Special Topics in Data Gathering and Analysis: Carnegie Research Seminar; (3 credits)** Grade Method: REG.

0101	Deborah Nelson	Seats (Total: 8)
	M 1:00pm - 3:45pm	KNI 1101
	Undergraduates should contact Professor Deb Nelson for permission to enroll and with questions about the class. The course will examine the impact of Washington politics and policies on working poor families for an ongoing reporting project with the Center for Public Integrity.	

JOUR479P **Special Topics in Data Gathering and Analysis; Public Opinion Polling in a Presidental Election Year**

JOUR479P *(PermReq)* **Special Topics in Data Gathering and Analysis: Public Opinion Polling in a Presidental Election Year; (3 credits)** Grade Method: REG. Prerequisite: A University Statistics course. A practical introduction to research methods used to evaluate, analyze and interpret public opinion surveys conducted during a presidental election year.

0101	Richard Morin	Seats (Total: 18)
	Th 4:30pm - 7:15pm	KNI 2107

JOUR532 **Humphrey Seminar II**

JOUR532 *(PermReq)* **Humphrey Seminar II; (2 credits)** Grade Method: REG. *Prerequisite: Admission to Humphrey Fellow Program and permission of department.* Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

0101	Lucinda Fleeson	Seats (Total: 12)
	F 10:00am - 1:00pm	KNI 1103

JOUR620 **Public Affairs Reporting**

JOUR620 *(PermReq)* **Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of department. Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0101	Carl Stepp	Seats (Total: 18)
	MW 10:00am - 11:50am	KNI 1101

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620 and permission of department. Credit will be granted for only one of the following: JOUR625 or JOUR729. Formerly JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

0101	Adrianne Flynn	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Rafael Lorente	Seats (Total: 10)
	Contact instructor or department for details.	

JOUR627 **Urban Affairs Reporting**

JOUR627 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of department. Corequisite: JOUR620 or permission of department. Credit will be granted for only one of the following: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky	Seats (Total: 5)
	M 1:30pm - 4:30pm	Location: TBA

JOUR628E **Specialized Topics in News Writing and Reporting; Special Topics in Science, Health and Environment Journalism**

JOUR628E *(PermReq)* **Specialized Topics in News Writing and Reporting: Special Topics in Science, Health and Environment Journalism; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor.

0101	Carol Rogers Tu 6:00pm - 8:45pm	Seats (Total: 10) KNI 1109

JOUR628R **Specialized Topics in News Writing and Reporting; Business Reporting**

JOUR628R *(PermReq)* **Specialized Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/AUD.

0101	Robert Matthews W 6:00pm - 8:45pm	Seats (Total: 3) KNI 3200

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0201	Mark Young M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103

JOUR654 **Advanced Interactive Multimedia Storytelling**

JOUR654 *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: JOUR652 and permission of department. Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Wilson Andrews Th 7:15pm - 10:00pm	Seats (Total: 6) KNI 2107

JOUR655 **Advanced Online News Bureau**

JOUR655 *(PermReq)* **Advanced Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620 or JOUR603, JOUR652, JOUR504 or permission of department. Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.

0101	Sean Mussenden	Seats (Total: 8)	
	Contact instructor or department for details.		

JOUR661 **Television Reporting and Production**

JOUR661 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 503 or equivalent. For JOUR majors only. Reporting, writing, editing and production of broadcast news.

0101	Cassandra Clayton, Stanley Heist	Seats (Total: 2)	
	M 12:00pm - 2:45pm	KNI 3210	
	W 5:00pm - 6:00pm	KNI 2107	Discussion

JOUR663 **Long Form Broadcast Journalism**

JOUR663 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503 or equivalent. Also offered as JOUR363. Credit will be granted for only one of the following: JOUR363, JOUR486 or JOUR663. Formerly JOUR486. Productions of long form broadcast news reporting, reality videos or documentaries.

0101	Stanley Heist	Seats (Total: 5)
	M 3:00pm - 5:45pm	KNI 3210
	Contact instructor or department for details.	

JOUR664 **Radio Broadcasting**

JOUR664 Radio Broadcasting; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR501 and JOUR603 (formerly JOUR503) or permission of department. Students apply news reporting skills to prepare and produce a weekly radio news magazine program.

0101	Robert Sachs	Seats (Total: 2)
	TuTh 10:00am - 11:50am	KNI 2103

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program.

0101	Susan Katcef	Seats (Total: 6)
	Contact instructor or department for details.	

JOUR673 **Literature in Journalism**

JOUR673 Literature in Journalism; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: JOUR456 or JOUR673. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism including the advantages and limitations of the style.

0101	Jacoba Incollingo	Seats (Total: 5)
	M 12:45pm - 2:00pm	KNI 3200
	W 12:45pm - 2:00pm	KNI 1206

JOUR681 **Media Industry Reporting**

JOUR681 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of department. Corequisite: JOUR620 or permission of department. Credit will be granted for only one of the following: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for the Web site of an award-winning professional publication, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Rem Rieder	Seats (Total: 3)
	Contact instructor or department for details.	

JOUR685 **Visual Storytelling**

JOUR685 *(PermReq)* **Visual Storytelling; (3 credits)** Grade Method: REG.
Prerequisite: JOUR628G. Students will practice and refine their own visual storytelling skills.

0101	Stanton Paddock	Seats (Total: 5)
	MW 11:00am - 12:15pm	KNI 1109

JOUR689M **News Coverage of Specialized Topics; Mobile Journalism**

JOUR689M News Coverage of Specialized Topics: Mobile Journalism; (3 credits) Grade Method: REG/AUD.
Restricted to students in the Jornalism Certificate program. Click here for more information.

PC01	Ronald Yaros	Seats (Total: 20)
	Sa 8:00am - 12:30pm	KNI 2105.

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Linda Steiner Tu 11:15am - 12:45pm	Seats (Total: 12) KNI 1109

JOUR698N **Special Problems in Communication; Carnegie Research Seminar**

JOUR698N *(PermReq)* **Special Problems in Communication: Carnegie Research Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Deborah Nelson M 1:00pm - 3:45pm	Seats (Total: 4) KNI 1101
	Graduate students should contact Professor Deb Nelson for permission to enroll and with questions about the class.The course will examine the impact of Washington politics and policies on working poor families for an ongoing reporting project with the Center for Public Integrity.	

JOUR716 **History of Investigative Journalism**

JOUR716 History of Investigative Journalism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Graduate students will learn the history of investigative journalism in the U.S., focusing on key time periods from colonial times to the present.

0101	Mark Feldstein M 9:00am - 11:45am	Seats (Total: 15) KNI 3200

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson M 9:00am - 11:45am	Seats (Total: 10) KNI 1206

JOUR767 **New Media Technologies**

JOUR767 New Media Technologies; (3 credits) Grade Method: REG.
Selected survey of theories of technology and communication with special attention to issues concerning the use of computer technology as a communication medium.

0101	John Newhagen	Seats (Total: 5)
	M 12:30pm - 3:15pm	KNI 2107

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects. Contact instructor to obtain permission.

0101	Ira Chinoy	Seats (Total: 18)
	TuTh 10:00am - 11:50am	KNI 2107

JOUR776 **Qualitative Research Methods in Journalism and Public Communication**

JOUR776 Qualitative Research Methods in Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 711. Credit will be granted for only one of the following: JOUR 711 or JOUR 776. Formerly JOUR711. Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

0101	Linda Steiner	Seats (Total: 8)
	Tu 4:15pm - 7:00pm	KNI 2109

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR801 **Advanced Public Communication Theory**

JOUR801 Advanced Public Communication Theory; (3 credits) Grade Method: REG.
Prerequisite: JOUR 601 or equivalent. Credit will be granted for only one of the following: JOUR 601 or JOUR 801. Advanced selected survey of communication & media theory.

0101	Kalyani Chadha	Seats (Total: 12)
	W 9:00am - 11:45am	KNI 2109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Spring 2012

JWST219C **Special Topics in Jewish Studies; Contemporary Israel**
Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**
Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**
Contact department for information to register for this course.

JWST235 **History of the Jewish People II**

JWST235 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283.

0101	Rachel Manekin MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) PLS 1140 SKN 1115	 Discussion
0102	Rachel Manekin MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 SYM 0209	 Discussion
0103	Rachel Manekin MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) PLS 1140 SYM 0209	 Discussion

0104	Rachel Manekin MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 SKN 1112	 Discussion

JWST235H **History of the Jewish People II**

JWST235H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283H.

0101	Rachel Manekin MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) PLS 1140 PLS 1146	 Discussion

JWST260 **Introduction to Classical Hebrew I**

JWST260 Introduction to Classical Hebrew I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR111 or equivalent. Also offered as HEBR298A. Not open to students who have completed HEBR401. Formerly HEBR401. Readings of the Bible and other classical texts in original Hebrew. Emphasis on classical grammar and vocabulary, and reading of textual passages.

0101	Matthew Suriano MWF 11:00am - 11:50am	Seats (Total: 20) WDS 1127	

JWST262 **The Hebrew Bible: Narrative**

JWST262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as ENGL262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: JWST262 or ENGL262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Matthew Suriano	Seats (Total: 60)
	MW 2:00pm - 3:15pm	SYM 0200

JWST272 **Introduction to Jewish Literature**

JWST272 Introduction to Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to students who have completed HEBR231. Formerly HEBR231. A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Agnieszka Legutko	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TYD 1108

JWST283 **Intensive Elementary Yiddish I**

JWST283 Intensive Elementary Yiddish I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM149Y or JWST282. Credit will be granted for only one of the following: GERM149Y, JWST282 or JWST283. An intensive introduction to the Yiddish language. Course covers one year of language instruction in one semester.

0101	Agnieszka Legutko	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 0125
	Contact instructor or department for details.	

JWST299 **Independent Study in Jewish Studies**

JWST299 Independent Study in Jewish Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**
Contact department for information to register for this course.

JWST345 **The Holocaust of European Jewry**

JWST345 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST307. Credit will be granted for only one of the following: HIST307 or JWST345. Roots of Nazi Jewish policy in the 1930s and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 0208	Discussion
0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 HBK 0123	Discussion
SA13	Laurie Koehler Contact instructor or department for details.	Seats (Total: 0)	

JWST369J **Special Topics in Study Abroad III; Contemprary Jewish Thought**
Contact department for information to register for this course.

JWST409L **Research Seminar in Jewish Studies; Jews in the Urban Environment**

JWST409L *(PermReq)* **Research Seminar in Jewish Studies: Jews in the Urban Environment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: JWST409L or HIST408Q.

0101	Bernard Cooperman	Seats (Total: 5)
	Th 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

JWST409M **Research Seminar in Jewish Studies; Gender, Sexuality, and the Body in Modern Yiddish Literature**

JWST409M *(PermReq)* **Research Seminar in Jewish Studies: Gender, Sexuality, and the Body in Modern Yiddish Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as WMST498F. Prerequisite: permission of department. Gender has played a significant role in Yiddish literary power dynamics. Focus is placed on the representations of gender, sexuality, and the body in diverse works of modern Yiddish literature (in English translation) created by men and women. An optional one-credit reading module (1 hour per week) is available for students who wish to read the works in the original language.

0101	Agnieszka Legutko	Seats (Total: 20)
	M 3:30pm - 6:00pm	TYD 1108

JWST419G **Special Topics in Jewish Studies; Advanced Hebrew Grammar**

JWST419G Special Topics in Jewish Studies: Advanced Hebrew Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as HEBR498W. Taught in Hebrew.

0101	Einat Gonen	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

JWST419L **Special Topics in Jewish Studies; Jewish Leadership**

JWST419L Special Topics in Jewish Studies: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418F. This course does not count towards the Jewish Studies major or minor.

0101	Ari Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 2122

JWST419W **Special Topics in Jewish Studies; Sex, Gender and Jewish Identity**

JWST419W Special Topics in Jewish Studies: Sex, Gender and Jewish Identity; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498W.

0101	Maxine Grossman	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	HZF 0142

JWST429A **Advanced Topics in Jewish Studies; Readings in Jewish History: Memoir, Autobiography, and the Modern Jewish Experience**

JWST429A Advanced Topics in Jewish Studies: Readings in Jewish History: Memoir, Autobiography, and the Modern Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST418A.

0101	Marsha Rozenblit	Seats (Total: 12)
	Th 4:00pm - 6:00pm Contact instructor or department for details.	TLF 2108

JWST429E **Advanced Topics in Jewish Studies; Jewish Education in Hebrew/Congregational Day Schools**

JWST429E Advanced Topics in Jewish Studies: Jewish Education in Hebrew/Congregational Day Schools; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the Jewish Sunday School philosophy, its evolution over time, and its implementation today. The course focuses on different curricula models and teaching methods, with an emphasis on Hebrew language instruction.

0101	Aharona Gazit-Rosenthal	Seats (Total: 40)
	MWF 11:00am - 11:50am	JMZ 1124

JWST429L **Advanced Topics in Jewish Studies; Modern Hebrew Literature in Translation**

JWST429L Advanced Topics in Jewish Studies: Modern Hebrew Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498T, ENGL479T, HEBR498L, and ISRL449L. What issues populated Hebrew literature written before the establishment of the State of Israel, and what issues emerged in the literature written after the establishment of the State? In this class we will consider Hebrew literature as seperate from Israeli literature, authored from the turn of the twentieth century until the present moment.

0101	Sheila Jelen	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	TWS 3134

JWST429N **Advanced Topics in Jewish Studies; Israeli Popular Culture**

JWST429N Advanced Topics in Jewish Studies: Israeli Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Also offered as HEBR498Q. Taught in Hebrew.

0101	Eric Zakim	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 2207

JWST478M **Readings in Modern Hebrew; Hasidism and Its Opponents**

JWST478M Readings in Modern Hebrew: Hasidism and Its Opponents; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Also offered as HIST418D. Credit will be granted for only one of the following: HIST 418D or JWST478M. Texts taught in Hebrew.

0101	Rachel Manekin	Seats (Total: 15)
	MW 2:00pm - 3:15pm	Location: TBA

JWST498M **Advanced Language Module for Jewish Studies; Readings in Yiddish Literature**

JWST498M Advanced Language Module for Jewish Studies: Readings in Yiddish Literature; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite:Concurrently enrolled in JWST409M and permission of department.

0101	Agnieszka Legutko	Seats (Total: 5)
	Contact instructor or department for details.	

JWST499 **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies: Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies; Hebrew Instruction Practicum**

JWST609 *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies: Hebrew Instruction Practicum; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department.

0110	Avital Feuer	Seats (Total: 5)
	Contact instructor or department for details.	
1102	Eric Zakim	Seats (Total: 5)
	Contact instructor or department for details.	
1103	Avital Feuer	Seats (Total: 5)
	Contact instructor or department for details.	

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST648B **Readings in Jewish History; The Modernization of the Jews**

JWST648B Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG.
Also offered as HIST798B. Credit will be granted for only one of the following: HIST798B or JWST648B.

0101	Marsha Rozenblit Tu 3:30pm - 6:00pm	Seats (Total: 15) TLF 2110	

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 Independent Graduate Readings in Jewish Studies; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Spring 2012

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Andrew Ginsberg MW 10:00am - 12:00pm	Seats (Total: 40) ERC 0135	Lab
0002	Andrew Ginsberg MW 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	Lab
0003	Ronald Mower TuTh 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.
Prerequisite: KNES 131V or 10k experience. One weekend event expected. Attendence is required the first day of class.

0001	Andrew Ginsberg	Seats (Total: 40)	
	TuTh 2:00pm - 4:00pm	COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (Beginning)**

KNES131V Physical Education Activities: Coed: Jogging (Beginning); (2 credits)
Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Ronald Mower	Seats (Total: 60)	
	MW 12:00pm - 2:00pm	COL 1100D	Lab
0002	Andrew Ginsberg	Seats (Total: 60)	
	MW 2:00pm - 4:00pm	COL 1100D	Lab

KNES131Z **Physical Education Activities: Coed; Beginning Softball**

KNES131Z Physical Education Activities: Coed: Beginning Softball; (1 credit)
Grade Method: REG/P-F/AUD.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the ENGR Fields. Schedule adjustment is the first week of class only.

0001	Ryan Basen	Seats (Total: 25)	
	Meets March 26, 2012 - May 10, 2012		
	TuTh 1:00pm - 3:00pm	ENGR FIELD	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $40 facility fee plus bowling shoes are required. Schedule adjustment is the first week of class only.

0001	Andre Adams	Seats (Total: 40)	
	Meets March 26, 2012 - May 10, 2012		
	TuTh 8:00am - 10:00am	SSU B106	Lab
0002	Andre Adams	Seats (Total: 40)	
	Meets January 25, 2012 - March 16, 2012		
	TuTh 8:00am - 10:00am	SSU B106	Lab

KNES140O **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

KNES140O Physical Education Activities: Coed: Tumbling and Balancing (Intermediate); (1 credit) Grade Method: REG.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Angela Zavaglia, Jo Zimmerman	Seats (Total: 25)	
	Meets January 25, 2012 - March 16, 2012		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140R **Physical Education Activities: Coed; Trampoline (Beginning)**

KNES140R Physical Education Activities: Coed: Trampoline (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S.

0001	Angela Zavaglia, Jo Zimmerman	Seats (Total: 25)	
	Meets March 26, 2012 - May 10, 2012		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Angela Zavaglia, Jo Zimmerman	Seats (Total: 25)	
	Meets January 25, 2012 - March 16, 2012		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Karate (Intermediate)**

KNES144R Physical Education Activities: Coed: Karate (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense**

KNES144T Physical Education Activities: Coed: Self-Defense; (2 credits) Grade Method: REG/P-F/AUD.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of class only. Attendance is required on the first day of class.

0001	Samuel Bernstein **Meets March 26, 2012 - May 10, 2012** MW 10:00am - 12:00pm	Seats (Total: 35) COL 1110D	Lab
0002	Samuel Bernstein **Meets January 25, 2012 - March 12, 2012** MW 10:00am - 12:00pm	Seats (Total: 35) COL 1110D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand TuTh 8:00am - 9:15am	Seats (Total: 22) ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Christopher Whipple MW 1:00pm - 2:15pm	Seats (Total: 22) ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Carrie Tupper MW 9:00am - 11:00am	Seats (Total: 22) ERC B01020	Lab

KNES154T **Physical Education Activities: Coed; Swimming, Fitness (Beginning)**

KNES154T Physical Education Activities: Coed: Swimming, Fitness (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Christopher Whipple	Seats (Total: 20)	
	MW 8:00am - 10:00am	ERC B0120	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Ryan Basen	Seats (Total: 32)	
	MW 1:00pm - 2:15pm	SPH 0103	Lab
0003	Ryan Basen	Seats (Total: 32)	
	MW 11:00am - 12:15pm	SPH 0103	Lab
0004	Samuel Bernstein	Seats (Total: 32)	
	TuTh 2:00pm - 3:15pm	SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Ryan Basen	Seats (Total: 32)	
	MW 12:00pm - 1:15pm	SPH 0103	Lab

0002	Andrew Ginsberg TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Laura Rush MW 3:00pm - 4:15pm	Seats (Total: 32) SPH 0103	Lab
0004	Laura Rush MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab
0005	Samuel Bernstein TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab

KNES161G **Physical Education Activities: Coed; Yoga for Fitness (Intermediate)**

KNES161G Physical Education Activities: Coed: Yoga for Fitness (Intermediate); (1 credit) Grade Method: REG/P-F/AUD.
Attendance is required beginning the first day of class.

0001	Laura Rush TuTh 3:00pm - 4:15pm	Seats (Total: 30) SPH 0128

KNES161K **Physical Education Activities: Coed; Cardio Kickboxing (Beginning)**

KNES161K Physical Education Activities: Coed: Cardio Kickboxing (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class

0001	Laura Rush TuTh 1:00pm - 3:00pm	Seats (Total: 50) ERC 0105	Lab
	For KNES majors only. Attendance is required beginning the first day o class.		

KNES161T **Physical Education Activities: Coed; Yoga**

KNES161T Physical Education Activities: Coed: Yoga; (1 credit) Grade Method: REG/P-F/AUD.
For KNES majors only. Attendance on the first day of class is mandatory.

0001	Anne Contee MW 8:00am - 9:15am	Seats (Total: 30) SPH 0128

0002	Anne Contee	Seats (Total: 30)	
	MW 9:00am - 10:15am	SPH 0128	

KNES161V **Physical Education Activities: Coed; Step Aerobics (Intermediate)**

KNES161V Physical Education Activities: Coed: Step Aerobics (Intermediate); (2 credits) Grade Method: REG.
Attendance is required on the first day of class.

0001	Jennie Phillips	Seats (Total: 40)	
	TuTh 9:00am - 11:00am	ERC 0105	Lab

KNES240 **Exploring Cultural Diversity Through Movement**

KNES240 Exploring Cultural Diversity Through Movement; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Cultural diversity through an analysis of the different meanings that movement activities serve within different cultural groups. Students will examine how cultural affiliations can influence why and how members of different cultural groups engage in movement activities.

0101	Marvin Scott	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	SPH 1302	

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	Jennie Phillips	Seats (Total: 18)	
	MW 4:00pm - 4:50pm	SPH 1303	
	M 8:00am - 8:50am	SPH 0116	Discussion

0102	Jennie Phillips MW 4:00pm - 4:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1303 SPH 0116	Discussion
0103	Jennie Phillips MW 4:00pm - 4:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1303 SPH 0116	Discussion
0104	Jennie Phillips MW 4:00pm - 4:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1303 SPH 0116	Discussion

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media. A critical public health perspective will be used to unpack the term 'he alth' and to investigate the role of physical activity and inactivity in relation to health and well-being. Also examined will be past and curren t perspectives on health promotion and health education, with a focus on how education and social policies and approaches can be both health pro moting and health compromising for various populations. KNES287 as prere quisite.

0101	Michael Friedman MW 11:00am - 11:50am M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0102	Michael Friedman MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0103	Michael Friedman MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	Discussion

0104	Michael Friedman MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0105	Michael Friedman MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0106	Michael Friedman MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0107	Michael Friedman MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0201	Jennifer Sterling Class time/details on ELMs *This section is restricted to Kinesiology and Phys Ed majors with sopho ore standing. This section is taught on-line.*	Seats (Total: 75) ONLINE	

KNES287U **Sport and American Society**
Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289Y **The In/Active City: the Physical Cultures of Metropolitan Baltimore**

KNES289Y The In/Active City: the Physical Cultures of Metropolitan Baltimore; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	David Andrews Tu 9:30am - 10:45am Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 20) SQH 1120 ONLINE SPH 0303	Discussion
0102	David Andrews Tu 9:30am - 10:45am Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 ONLINE SPH 1302	Discussion
0103	David Andrews Tu 9:30am - 10:45am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 ONLINE SPH 0303	Discussion
0104	David Andrews Tu 9:30am - 10:45am Class time/details on ELMs F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 ONLINE SPH 0303	Discussion

KNES289Z **Topical Investigations**
Contact department for information to register for this course.

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0101	Damion Thomas MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1303	Discussion
0102	Damion Thomas MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0305	Discussion

0103	Damion Thomas MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0308	Discussion
0104	Damion Thomas MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	Discussion
0105	Damion Thomas MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0107	Damion Thomas MW 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0308	Discussion
0108	Damion Thomas MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0102	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab

0103	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Rodolphe Gentili MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Rodolphe Gentili MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Rodolphe Gentili MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Rodolphe Gentili MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Rodolphe Gentili MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312	

KNES333 **Physical Activity for Students with Special Needs**

KNES333 Physical Activity for Students with Special Needs; (3 credits) Grade Method: REG.
Implications of Federal and State regulations for planning and implementing physical activity programs for students with special needs. Evaluation strategies for assessing motor performance and the role of physical activity in educational programs for these students. Offered Spring only.

0101	Dennis Vacante Th 7:00pm - 9:30pm	Seats (Total: 30) SPH 0303	

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F/AUD.
Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Amanda Delaney TuTh 9:00am - 9:50am	Seats (Total: 35) ERC B0136	Lab

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F/AUD.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 120) MMH 1400
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 120) CHM 1402

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance. Prerequisite: permission of department.

0101	Elizabeth Brown	Seats (Total: 2)
	TuTh 2:00pm - 3:15pm	MMH 1400

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel	Seats (Total: 34)
	TuTh 2:00pm - 3:15pm	SPH 0308

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel	Seats (Total: 1)
	TuTh 2:00pm - 3:15pm	SPH 0308

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI201 and BSCI202 with a grade of C- or better; or permission of department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0106	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201 and BSCI202 with a grade of C- or better; or permission of department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers	Seats (Total: 3)	
	MWF 12:00pm - 12:50pm Contact instructor or department for details.	SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F/AUD.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

BL01	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 8:00am - 8:50am	EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		
BL02	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 9:00am - 9:50am	EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		

BL03	Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 18) EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		
BL04	Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 18) EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		
BL05	Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 18) EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		
BL06	Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 1:00pm - 1:50pm	Seats (Total: 18) EGR 1202 ONLINE SPH 0124	Discussion
	One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.		

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG. Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. Prerequisite: permission of department.

0101	Marcio Oliveira W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 2) EGR 1202	

KNES370U **Motor Development**
Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F/AUD. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0102	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0103	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs W 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0104	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0105	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion

0106	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0107	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
0108	John Jeka MW 2:00pm - 2:50pm Class time/details on ELMs F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. Prerequisite: permission of department.

0101	John Jeka MW 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 5) SPH 1312

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Completion of three KNES core classes. Junior standing. Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Junior Standing. Click here for more course information.

0101	Marvin Scott TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0308

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Childrens Development Clinic**

KNES389E Topical Investigations: Childrens Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Dennis Vacante	Seats (Total: 30)
	Sa 8:30am - 12:30pm	SPH 0303

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389M **Topical Investigations; Preschool Motor Development Internship**

KNES389M *(PermReq)* **Topical Investigations: Preschool Motor Development Internship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES442 **Psychology of Exercise and Health**

KNES442 Psychology of Exercise and Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES442 or KNES498O. Formerly KNES498O. Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 30) SPH 1302

KNES442H **Psychology of Exercise and Health**

KNES442H *(PermReq)* **Psychology of Exercise and Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES442 or KNES498O. Formerly KNES498O. Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 2) SPH 1302

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 60) SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers. Prerequisite: permission of department.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 3) SPH 1303

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 32) SPH 0307 ONLINE

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg MWF 10:00am - 10:50am	Seats (Total: 3) SPH 0307

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES370. Junior standing. Credit will be granted for only one of the following: KNES457 or KNES498Y. Formerly KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott	Seats (Total: 35)
	MWF 10:00am - 10:50am	SPH 0308

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

0101	Ben Hurley	Seats (Total: 33)
	TuTh 9:30am - 10:45am	SPH 0308

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance. Prerequisite: permission of department.

0101	Ben Hurley	Seats (Total: 2)
	TuTh 9:30am - 10:45am	SPH 0308

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG. *Prerequisite: KNES360 or permission of department.* Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers TuTh 11:00am - 12:15pm	Seats (Total: 33) SPH 1302

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG. *Prerequisite: KNES360 or permission of department.* Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram. Prerequisite: permission of department.

0101	Marc Rogers TuTh 11:00am - 12:15pm	Seats (Total: 2) SPH 1302

KNES477 **Honors Thesis**

KNES477 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. *Restricted to KNES Honors students only. Prerequisite: KNES476. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES399 or KNES477. Formerly KNES399.* Advisement will be on the individual basis. Thesis must be defended in the honors seminar.

0101	Stephen Roth F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0301

KNES478 **Honors Seminar; Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar: Honors Seminar; (1 credit)** Grade Method: REG.

0101	Stephen Roth F 11:00am - 11:50am	Seats (Total: 20) SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 33) SPH 0308

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 2) SPH 0308

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: A professional writing coure with a C- or better; STAT100 or equivalent; all 7 K NES core and 2 KNES options. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for more information.

0101	James Hagberg Tu 8:00am - 10:30am Contact instructor or department for details. *Physical Activity and the Obesity and Diabetes Epidemic*	Seats (Total: 20) SPH 0301
0102	Jennifer Sterling Th 5:00pm - 7:30pm Contact instructor or department for details. *"Socio-Historical Aspects of Sports & Physical Culture"*	Seats (Total: 20) SPH 0302
0103	Jane Clark Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Neuroplasticity and Motor Development"*	Seats (Total: 20) SPH 0124
0104	Eva Chin W 4:00pm - 6:30pm Contact instructor or department for details. *"Adaptations of Skeletal Muscle with Disease and Exercise Training"*	Seats (Total: 20) SPH 0302
0105	Jennie Phillips Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Couch Potatoes to Bodies in Motion: How do we get People Moving?"*	Seats (Total: 20) SPH 0303
0106	Rodolphe Gentili Th 4:00pm - 6:30pm Contact instructor or department for details. *"Rehabilitation and Motor Control"*	Seats (Total: 20) SPH 0303
0107	Jo Zimmerman Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Psychobiological effects of exercise"*	Seats (Total: 20) SPH 0305
0108	Jennifer Sterling W 4:00pm - 6:30pm Contact instructor or department for details. *Socio-Historical Aspects of Sports & Physical Culture*	Seats (Total: 20) SPH 0303

0109	Jo Zimmerman Th 4:00pm - 6:30pm Contact instructor or department for details. *Psychobiological effects of exercise*	Seats (Total: 15) SPH 0308

KNES498 **Special Topics in Kinesiology**

KNES498 Special Topics in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498A **Special Topics in Kinesiology; Foundations of Public Health in Kinesiology**

KNES498A Special Topics in Kinesiology: Foundations of Public Health in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287.

0101	Shannon Jette TuTh 1:00pm - 2:15pm	Seats (Total: 35) SPH 1302

KNES498F **Special Topics in Kinesiology; Exercise and Aging**

KNES498F Special Topics in Kinesiology: Exercise and Aging; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360 and junior standing.

0101	Marc Rogers TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 0307

KNES498N **Special Topics in Kinesiology; Muscular Aspects of Exercise Physiology**

KNES498N Special Topics in Kinesiology: Muscular Aspects of Exercise Physiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360.

0101	Eva Chin Tu 4:00pm - 6:30pm	Seats (Total: 25) PLS 1111

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Larry Plotkin	Seats (Total: 35)
	TuTh 8:00am - 9:15am	SPH 0307

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth	Seats (Total: 12)
	F 10:00am - 10:50am	SPH 2334

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689N **Special Problems in Kinesiology; Curriculum Development in Physical Education**

KNES689N *(PermReq)* **Special Problems in Kinesiology: Curriculum Development in Physical Education; (3 credits)** Grade Method: REG/AUD. Examination of the role of educational values and cognitive and behavioral conceptions of learning in curriculum development.

IHP1	Dena Deglau Tu 4:00pm - 7:00pm	Seats (Total: 15) Location: TBA

KNES689O **Special Problems in Kinesiology; Psychology of Exercise and Health**

KNES689O Special Problems in Kinesiology: Psychology of Exercise and Health; (3 credits) Grade Method: REG/AUD.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 3) SPH 0302

KNES689Q **Special Problems in Kinesiology; Critical Race Studies and Physical Culture**

KNES689Q Special Problems in Kinesiology: Critical Race Studies and Physical Culture; (1-6 credits) Grade Method: REG/AUD.

0101	Damion Thomas M 4:00pm - 7:00pm	Seats (Total: 20) SPH 0302

KNES689T **Special Problems in Kinesiology; Teaching Internship**

KNES689T *(PermReq)* **Special Problems in Kinesiology: Teaching Internship; (1-6 credits)** Grade Method: REG/AUD.
Outreach Secondary MCERT-KNES. Departmental permisson required.

CE01	Dena Deglau Contact instructor or department for details.	Seats (Total: 10)

KNES689W **Special Problems in Kinesiology; Anthropomorphic Robotics**

KNES689W Special Problems in Kinesiology: Anthropomorphic Robotics; (3 credits) Grade Method: REG/AUD.

0101	Tim Kiemel, John Jeka, Jae Kun Shim W 4:00pm - 6:30pm	Seats (Total: 7) CHE 2136

KNES689Y **Special Problems in Kinesiology; Public Health and Research Ethics**

KNES689Y Special Problems in Kinesiology: Public Health and Research Ethics; (1 credit) Grade Method: REG/AUD.

0101	Jane Clark, Dushanka Kleinman	Seats (Total: 30)
	F 11:00am - 11:50am	SPH 0305
	Also offered as EPIB641	

KNES691 **Muscular Aspects of Exercise Physiology**

KNES691 Muscular Aspects of Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES 360. Recommended: BSCI 422. Skeletal muscle structure and function including muscle development, excitation-contraction coupling, muscle fiber types and fatigue, muscle biochemistry, gene expression, muscle damage and regeneration. The effects of aging and exercise training on skeletal muscle.

0101	Eva Chin	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	PLS 1111

KNES696 **Genetic Aspects of Health and Fitness**

KNES696 Genetic Aspects of Health and Fitness; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360 or equivalent. Credit will be granted for only one of the following: KNES696 and KNES689Z. Formerly KNES689Z. An exploration of the impact of genetic variation on human health and fitness, with emphasis on the physiological response to exercise. Consideration of human genome biology, DNA sequence databases, methods, gene/environment interaction, and ethical issues.

0101	Stephen Roth	Seats (Total: 20)
	F 1:00pm - 3:30pm	SPH 0301

KNES711 **Professional Development and Grantsmanship**

KNES711 Professional Development and Grantsmanship; (3 credits) Grade Method: REG/AUD.
Open only to Doctoral students in programs in the School of Public Health. Credit will be granted for only one of the following: KNES711 or KNES789X. Formerly KNES789X. Enhance continued professional development through an exploration of culture, climate, expectations and mentoring in research I universities. Generate a grant application including the hypothesis, structure, specific aims, background and significance, and submission of a total grant. Grant process and product will be emphasized.

0101	James Hagberg	Seats (Total: 20)
	W 4:00pm - 6:30pm	SPH 1302

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Spring 2012

KORA102 **Elementary Korean II**

KORA102 Elementary Korean II; (3 credits) Grade Method: REG.
Prerequisite: KORA101 or equivalent. For non-Heritage students only. Instructor permission required for new students. Continued training in elementary spoken and written Korean.

0101	Younghi Ramsey TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1215

KORA202 **Intermediate Korean II**

KORA202 Intermediate Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA201 or permission of instructor. The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

0101	Younghi Ramsey TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1215

KORA212 **Introductory Reading for Speakers of Korean II**

KORA212 Introductory Reading for Speakers of Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA211. Not open to students who have completed four or more years of schooling in Korea. Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

0101	Younghi Ramsey TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1215

KORA312 **Korean for Heritage Speakers, Advanced-Low II**

KORA312 Korean for Heritage Speakers, Advanced-Low II; (3 credits) Grade Method: REG.
Prerequisite: KORA311 or permission of instructor. Not open to students who have completed eight or more years of schooling in Korea. Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 1215

KORA345 **Korean Language and Linguistics**

KORA345 Korean Language and Linguistics; (3 credits) Grade Method: REG. *Prerequisite: KORA102 or KORA211; or permission of department. Not open to students who have completed KORA399A. Credit will be granted for only one of the following: KORA345 AND KORA399A.* An exploration of Korean language and society, in particular the role and nature of the alphabet, Korean sounds, lexical and grammatical structures, and usage in today's South Korea.

0101	Samuel Ramsey MW 3:00pm - 4:15pm	Seats (Total: 15) JMZ 2123

KORA398C **Special Topics in Korean Studies; Cinema and Society in Contemporary South Korea**

KORA398C Special Topics in Korean Studies: Cinema and Society in Contemporary South Korea; (3 credits) Grade Method: REG/P-F/AUD. Aesthetic tradition of Korean cinema and examination of intersections of gender, class, and nation in contemporary Korean society through the lens of current Korean films.

0101	John Finch M 4:30pm - 5:45pm Th 5:00pm - 7:30pm	Seats (Total: 35) JMZ 2123 HBK 0302H

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Spring 2012

LARC140 **Graphic Fundamentals Studio**

LARC140 *(PermReq)* **Graphic Fundamentals Studio; (4 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. Recommended: LARC160 (concurrently). For LARC majors only. Basic techniques and application of various media for graphic communication associated with landscape architecture.

0101	Tracee Johnson, Dennis Nola MW 2:00pm - 2:50pm MW 3:00pm - 4:50pm	Seats (Total: 18) PLS 2137 PLS 2137	 Lab
0201	Tracee Johnson, Dennis Nola TuTh 2:00pm - 2:50pm TuTh 3:00pm - 4:50pm	Seats (Total: 18) PLS 2137 PLS 2137	 Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Colleen Vacelet MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0102	Colleen Vacelet MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0103	Colleen Vacelet MW 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0104	Colleen Vacelet MW 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 18) PLS 1130 PLS 1168	 Discussion

LARC221 **Digital Design Tools**

LARC221 *(PermReq)* **Digital Design Tools; (3 credits)** Grade Method: REG.
Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Sophomore standing. For LARC majors only. The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

0101	Arlie Ison	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 2137	
	TuTh 11:00am - 12:15pm	PLS 2137	Lab

LARC240 **Graphic Communication and Design Studio**

LARC240 *(PermReq)* **Graphic Communication and Design Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC141 and LARC263. Corequisites: LARC221 and LARC265. Sophomore standing. For LARC majors only. Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

0101	Byoung-Suk Kweon	Seats (Total: 15)	
	MW 2:00pm - 2:50pm	PLS 2152	
	MW 3:00pm - 4:50pm	PLS 2152	Lab

LARC321 **Landscape Structures and Materials**

LARC321 *(PermReq)* **Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC320 and LARC340. For LARC majors only. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 2150	Lab

LARC341 **Regional Design Studio**

LARC341 *(PermReq)* **Regional Design Studio; (5 credits)** Grade Method: REG. *Prerequisites: LARC320 and LARC340. Junior standing. For LARC majors only.* An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

0101	David Myers	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 1164	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC389 **Internship in Landscape Architecture**

LARC389 Internship in Landscape Architecture; (3 credits) Grade Method: REG.

0101	Dennis Nola	Seats (Total: 1)
	Contact instructor or department for details.	

LARC471 **Capstone Studio: Community Design**

LARC471 *(PermReq)* **Capstone Studio: Community Design; (5 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisites: LARC440 and LARC470. Senior standing. For LARC majors only. A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 1:00pm - 1:50pm	PLS 1158	
	TuTh 2:00pm - 4:45pm	PLS 2148	Lab

LARC489E **Special Topics in Landscape Architecture; Planting Design**

LARC489E Special Topics in Landscape Architecture: Planting Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: LARC140, PLSC253, PLSC254. Emphasis is placed on analysis of natural systems and cultural influences of the landscape as they relate to visual thinking and the planting design process. Students will familiarize themselves with native habitats, reinforce application of design principles, and assess human response in terms of developing a planting plan.

0101	Ann Anderson	Seats (Total: 30)	
	F 9:00am - 11:50am	PLS 0104	

LARC489K **Special Topics in Landscape Architecture; People in the Environment**

LARC489K Special Topics in Landscape Architecture: People in the Environment; (3 credits) Grade Method: REG/P-F/AUD.

0101	Byoung-Suk Kweon	Seats (Total: 20)	
	MW 10:00am - 10:50am	PLS 1117	
	W 11:00am - 11:50am	PLS 1117	Discussion

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC621 **Digital Drafting and Mapping**

LARC621 *(PermReq)* **Digital Drafting and Mapping; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC620 or permission of department. The development and application of computing tools as used by the landscape architecture profession. Computer-Aided Design and Drafting (CADD) develops computer drafting skills using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies, computational representations and modeling of landscape processes and solution methods for problems involving the special arrangement of land use activities.

0101	Douglas Davies	Seats (Total: 10)	
	W 9:00am - 11:50am	PLS 2137	

LARC641 **Graduate Studio II**

LARC641 *(PermReq)* **Graduate Studio II; (5 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640 and permission of department. Corequisite: LARC720.
Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

0101	Christopher Ellis	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC648 **Graduate Studio IV**

LARC648 Graduate Studio IV; (5 credits) Grade Method: REG/AUD.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC663 **Landscape and Garden History**

LARC663 *(PermReq)* **Landscape and Garden History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

0101	Sonja Duempelmann	Seats (Total: 10)	
	Th 9:30am - 12:15pm	PLS 2156	

LARC671 **Landscape Architecture Research Methods**

LARC671 Landscape Architecture Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 1119	

LARC699 **Independent Studies in Landscape and Architecture**

LARC699 *(PermReq)* **Independent Studies in Landscape and Architecture; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC720 **Environmental Analysis and Site Engineering**

LARC720 *(PermReq)* **Environmental Analysis and Site Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640 or permission of department.. Corequisite: LARC641. Techniques for prediction of alterations in social and natural processes brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

0101	John Leonard	Seats (Total: 10)	
	Tu 8:00am - 9:50am	PLS 1142	
	Tu 10:00am - 11:50am	PLS 1142	Lab

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Spring 2012

LASC235 **Issues in Latin American Studies II**

LASC235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and PORT235. Credit will be granted for only one of the following: LASC235 or SPAN235 or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 35) BPS 1236
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) MTH 1313

LASC235H **Issues in Latin American Studies II**

LASC235H Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and PORT235. Credit will be granted for only one of the following: LASC235 or SPAN235 or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 5) BPS 1236

LASC448I **Special Topics in Latin American Studies; Latin American and Caribbean Thought**

LASC448I Special Topics in Latin American Studies: Latin American and Caribbean Thought; (3 credits) Grade Method: REG.

0101	James Maffie	Seats (Total: 30)	
	MW 10:00am - 11:15am	SQH 1121	

LASC448L **Special Topics in Latin American Studies; Conservation and Indigenous People in Latin America**

LASC448L Special Topics in Latin American Studies: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG.
Also offered as ANTH468L.

0101	Janet Chernela	Seats (Total: 20)	
	M 6:00pm - 8:45pm	WDS 1130	

LATN Latin Spring 2012

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Steven Rutledge	Seats (Total: 25)	
	MWF 10:00am - 10:50am	JMZ 0208	
	W 9:00am - 9:50am	JMZ 0118	Discussion

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN101 at UMCP or permission of department.

0101	Mary Marquis	Seats (Total: 25)	
	MWF 10:00am - 10:50am	BPS 1234	
	F 9:00am - 9:50am	BPS 1234	Discussion

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	Keith Bednarowski	Seats (Total: 25)
	TuTh 2:00pm - 3:50pm	JMZ 3203

LATN351 **Horace and Catullus**

LATN351 Horace and Catullus; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN201 or equivalent. Readings are in Latin.

0101	Judith Hallett	Seats (Total: 25)
	Th 5:00pm - 7:40pm	MMH 1218

LATN410 **Latin Historians**

LATN410 Latin Historians; (3 credits) Grade Method: REG/P-F/AUD.
Latin historical writing as a literary genre. Influences, style, and literary techniques. Readings are in Latin.

0101	Steven Rutledge	Seats (Total: 15)
	M 5:00pm - 7:40pm	JMZ 1103

LATN488P **Latin Readings; LATIN PEDAGOGY**

LATN488P Latin Readings: LATIN PEDAGOGY; (3 credits) Grade Method: REG/P-F/AUD.
Class meets on the following Saturdays from 9:00am-3:30pm in MMH1108B; January 28th, February 4th, 11th, 25th, March 3rd, April 14th, and 21st 2012. Make-up days, in case of inclement weather, are scheduled for Febrary 18th and March 10th.

0101	Judith Hallett	Seats (Total: 25)
	Meets January 25, 2012 - April 21, 2012	
	Sa 9:00am - 3:30pm	MMH 1108B

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN640 **Latin Pedagogy**

LATN640 Latin Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: 300-level Latin course or permission of instructor. Learning styles and abilities in the Latin language classroom; textbooks and workbooks for teaching Latin; integrating Roman culture into language study; computer and technological resources for Latin Language instruction; using videos and feature films in Latin and classical civilization classes; the articulation between secondary school and college-level Latin study. Meets in a series of five day-long Saturday workshops and culminates in an outreach program for secondary school Latin students. Recommended for teachers, graduate students and undergraduates plannig to teach Latin. Class meets on the following Saturdays from 9:00am-3:30pm in MMH1108B; January 28th, February 4th, 11th, 25th, March 3rd, April 14th, and 21st 2012. Make-up days, in case of inclement weather, are scheduled for Febrary 18th and March 10th.

0101	Judith Hallett	Seats (Total: 10)
	Sa 9:00am - 3:30pm	MMH 1108B

LATN688R **Special Topics in Latin Literature; Latin Historians**

LATN688R Special Topics in Latin Literature: Latin Historians; (3 credits) Grade Method: REG/AUD.

0101	Steven Rutledge	Seats (Total: 10)
	M 5:00pm - 7:40pm	JMZ 1123

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Spring 2012

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

0101	Beth St Jean Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
ML01	John Bertot Class time/details on ELMs *Restricted to E-Government Students only*	Seats (Total: 20) ONLINE
SG01	Diane Barlow W 5:30pm - 8:15pm	Seats (Total: 22) BLD3 4203

LBSC622 **Information and Universal Usability**

LBSC622 Information and Universal Usability; (3 credits) Grade Method: REG/AUD.
Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

0101	Mega Subramaniam M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations. Restricted to LBSO students only.

0101	Michael Kurtz M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0123
0201	Michael Kurtz Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119
ML01	Bruce Dearstyne Class time/details on ELMs *Restricted to LBSO students only*	Seats (Total: 30) ONLINE

LBSC640 **School Librarians as Information Professionals**

LBSC640 School Librarians as Information Professionals; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department and instructor required. Credit will be granted for only one of the following: LBSC 640 or LBSC 643. Formerly LBSC643.
Foundational concepts in information studies and in school library programs and services. Current and evolving educational systems; roles and functions of school librarians within them.

SG01	Sheri Massey Th 5:30pm - 8:15pm	Seats (Total: 30) BLD3 3203

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0108

LBSC646 **Literature and Materials for Young Adults**

LBSC646 Literature and Materials for Young Adults; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC646 or LBSC746. Formerly LBSC746. Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Myra Paul Tu 5:30pm - 8:15pm	Seats (Total: 30) BLD3 4203

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Mary Choquette M 5:30pm - 8:15pm	Seats (Total: 30) HBK 2119
0201	Julie Strange Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0123
SG01	Mary Choquette Th 5:30pm - 8:15pm	Seats (Total: 30) BLD3 4225

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Katy Lawley W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0105

SG01	Erik Mitchell M 5:30pm - 8:15pm	Seats (Total: 30) BLD3 4203

LBSC684 **Archival Arrangement and Description**

LBSC684 Archival Arrangement and Description; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Principles of archival arrangement and descriptioin and their application to making archival material available for research and use. National and international standards for archival description. Studies of users of archival descriptive systems. Current and emerging issues.

0101	Kenneth Heger W 2:00pm - 4:45pm	Seats (Total: 30) HBK 0108

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies. Restricted to LBSO students only.

0101	William Webber Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0103
0201	Pei-Hsiu Yeh Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119
ML01	Jennifer Golbeck Class time/details on ELMs *Restricted to LBSO students only*	Seats (Total: 30) ONLINE
SG01	Rachael Bradley Tu 5:30pm - 8:15pm	Seats (Total: 25) BLD3 3211

LBSC701 **Research Methods in Library and Information Studies**

LBSC701 Research Methods in Library and Information Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Techniques and strategies of research as applied to the definition, investigation, and evaluation of information problems.

0101	Bo Xie	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0115

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605 Archival Principles, Practices, and Programs or permission of instructor. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Bruce Ambacher	Seats (Total: 20)
	Tu 9:30am - 12:15pm	HBK 2119

LBSC705 **Infomation for Decision-Making**

LBSC705 Infomation for Decision-Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The use of information in organizational and individual decision- making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

SG01	Vedat Diker	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC706 **Seminar in International and Comparative Librarianship and Information Science**

LBSC706 Seminar in International and Comparative Librarianship and Information Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Comparison and contrast of bibliographic systems, institutions, service arrangements, and professional patterns in developed and developing cultures. Libraries, information organizations, and international information systems viewed against the backdrop of national cultures. Influences of social, political, and economic factors upon these forms.

0101	Wendy Simmons, Jean Cavanaugh	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	HBK 0123

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisites: all core courses and permission of department. Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency. The class will meet on January 25, March 7, April 11, and May 9.

0101	Trudi Hahn	Seats (Total: 20)
	W 2:00pm - 4:45pm	HBK 0109

LBSC708F **Special Topics in Information Studies; Issues in Leadership in the Information Professions**

LBSC708F Special Topics in Information Studies: Issues in Leadership in the Information Professions; (3 credits) Grade Method: REG/AUD.

0101	Ann Prentice	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

LBSC708M **Special Topics in Information Studies; Government Information Internship II**

LBSC708M Special Topics in Information Studies: Government Information Internship II; (1-3 credits) Grade Method: REG/AUD.
Restricted to E-Government Students only.

ML02	John Shuler	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

LBSC708X **Special Topics in Information Studies; E-Discovery**

LBSC708X Special Topics in Information Studies: E-Discovery; (3 credits) Grade Method: REG/AUD.

0101	Douglas Oard, Jason Baron Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods.

0101	Nancy Roderer Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 1112

LBSC724 **Public Library Seminar**

LBSC724 Public Library Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.

0101	Carla Hayden Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0108

LBSC734 **Seminar in the Academic Library**

LBSC734 Seminar in the Academic Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Role of the academic library within the framework of higher education. Planning programs and services, collections, support, fiscal management, physical plant, and cooperation.

0101	Trudi Hahn	Seats (Total: 30)
	M 5:30pm - 8:15pm	HBK 0105

LBSC741 **Seminar in School Library Administration**

LBSC741 Seminar in School Library Administration; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640 and permission of department. Development, management, and evaluation of school library programs at all levels.

SG01	Sheri Massey	Seats (Total: 30)
	W 5:30pm - 8:15pm	BLD3 3220

LBSC744 **Internship in School Library**

LBSC744 Internship in School Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640, LBSC741, LBSC742; and permission of instructor. Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.

0101	Sheri Massey	Seats (Total: 16)
	Sa 9:30am - 12:15pm	HBK 4113

LBSC770 **Bibliographic Control**

LBSC770 Bibliographic Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 670. Problems and current issues in bibliographic control. Study and use of subject heading lists, thesauri, classification schemes, cataloging standards, and bibliographic utilities.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	HBK 0109

LBSC783 **Seminar in Technical Services**

LBSC783 Seminar in Technical Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Technical services in large libraries, including acquisitions, cataloging, serials control, automation, cooperative programs, and managerial controls.

0101	Erik Mitchell Th 2:00pm - 4:45pm	Seats (Total: 16) HBK 4115

LBSC784 **Digital Preservation**

LBSC784 Digital Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC601 or LBSC605; or permission of instructor. Not open to students who have completed LBSC708Q. Credit will be granted for only one of the following: LBSC708Q or LBSC784. Formerly LBSC708Q. Issues and practices regarding digitization of analog materials and preservation of digital materials, both digitized and born digital.

0101	Bruce Ambacher W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC789 **Special Topics in Contemporary Archives**

LBSC789 Special Topics in Contemporary Archives; (3 credits) Grade Method: REG/AUD.

0101	Michael Kurtz Th 5:30pm - 8:15pm	Seats (Total: 15) HBK 0109

LBSC790 **Building the Human-Computer Interface**

LBSC790 Building the Human-Computer Interface; (3 credits) Grade Method: REG/AUD.
Prerequisite: Programming experience and permission of department. Corequisite: LBSC 795 or CMSC 434. Credit will be granted for only one of the following: LBSC 708L or LBSC 790. Formerly LBSC708L. Principles and techniques for user interface implementation. Principles for building reliable large-scale interface components. Use of prototyping and rapid development tools. Techniques for managing user input and visual and auditory displays. Also offered as INFM718B.

0101	Leah Findlater Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 0103

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC810 **Individual Research Experience**

LBSC810 Individual Research Experience; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor. Restricted to pre-candidacy doctoral students in information studies; other students by permission of instructor only.* Pre-candidacy individual research experience directed by a faculty member.

0401	Michael Kurtz Contact instructor or department for details.	Seats (Total: 3)
1201	June Ahn Contact instructor or department for details.	Seats (Total: 5)

LBSC888 **Doctoral Seminar; Information Studies**

LBSC888 Doctoral Seminar: Information Studies; (3 credits) Grade Method: REG/AUD.

0101	Kari Kraus W 5:30pm - 8:15pm	Seats (Total: 15) HBK 4113

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies Spring 2012

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: LGBT200. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso MW 12:30pm - 1:45pm	Seats (Total: 70) SQH 1120
0201	Alyssa Samek TuTh 2:00pm - 3:15pm	Seats (Total: 35) COL 0102

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0101	James Goodwin TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0214

0201	Amy Karp	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	KEY 0125

LGBT289I **Recognizing Homophobia in the New Millennium**

LGBT289I Recognizing Homophobia in the New Millennium; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	JV Sapinoso	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ASY 1213

LGBT298C **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Histories of "Deviant" Women: Crones, Comedians, and Criminals**

LGBT298C Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Histories of "Deviant" Women: Crones, Comedians, and Criminals; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Amy French	Seats (Total: 30)
	MW 9:30am - 10:45am	ASY 3221

LGBT298D **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Digital Queers - Public Space, Art, and Performance in the Digital Age**

LGBT298D Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Digital Queers - Public Space, Art, and Performance in the Digital Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Jarah Moesch	Seats (Total: 35)
	TuTh 9:30am - 10:45am	EDU 3315

LGBT298L **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Introduction to Queer Latina/o Studies**

LGBT298L Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Introduction to Queer Latina/o Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST298W.

0101	Christopher Perez	Seats (Total: 35)	
	MW 2:00pm - 3:15pm	SQH 1101	

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

LGBT327 Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people. Also offered as ENGL359F.

0101	James Goodwin	Seats (Total: 35)	
	MW 9:30am - 10:45am	HJP 1125	

LGBT359D **Queer Adaptations in Fiction, Film, and TV**

LGBT359D Queer Adaptations in Fiction, Film, and TV; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level courses, at least one in literature; or permission of department. Also offered as ENGL359D.

0101	Elizabeth McClure	Seats (Total: 35)	
	TuTh 3:30pm - 4:45pm	TWS 1107	
	Tu 5:30pm - 8:00pm	TWS 1107	Lab

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT studies and permission of program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448C **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sex and the City**

LGBT448C Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Sex and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST498V.

0101	Christina Hanhardt	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CCC 1111

LGBT448E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Asian American Sexualities**

LGBT448E Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Gemirald Daus	Seats (Total: 30)
	Tu 5:00pm - 7:30pm	JMZ 2206

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Spring 2012

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Tonia Bleam MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) SHM 2102 ARM 0110	 Discussion
0104	Tonia Bleam MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) SHM 2102 ARM 0119	 Discussion
0105	Tonia Bleam MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 30) SHM 2102 HZF 0101	 Discussion
0106	Tonia Bleam MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) SHM 2102 WDS 0104	 Discussion
0107	Tonia Bleam MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) SHM 2102 MMH 1304	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Margaret Antonisse	Seats (Total: 50)
	MWF 10:00am - 10:50am	WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	HJP 1125

LING312 **Syntax II**

LING312 Syntax II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Masahiko Takahashi	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 3418

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MMH 0108

LING322 **Phonology II**

LING322 Phonology II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING321. Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	William Idsardi	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MMH 3418

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or PHIL173 or PHIL371; or LING311. Also offered as PHIL360. Credit will be granted for only one of the following: LING350 or PHIL360. The nature and function of language and other forms of symbolism from a philosophical perspective.

0101	Alexander Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SKN 1115

LING419B **Topics in Syntax; Argument Structure and Its Distribution in the Grammar**

LING419B Topics in Syntax: Argument Structure and Its Distribution in the Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. The goal of this course is to study differences between verbs and how many arguments they take, and consider whether these properties are syntactic and/or semantic in nature. We will also look at the argument structure of nominals.

0101	Terje Lohndal	Seats (Total: 10)
	MW 11:00am - 12:15pm	MMH 1304

LING419C **Topics in Syntax; Language & Theory of Mind**

LING419C Topics in Syntax: Language & Theory of Mind; (3 credits) Grade Method: REG/P-F/AUD.
Examines the connection between childrens ability to attribute thoughts and intentions to others (so-called theory of mind) and language acquisition in three areas: word learning, the semantics of linguistic expressions used to describe thoughts and desires (e.g., think, want), and pragmatics. Strongly recommended: background in semantics (Ling410) or language acquisition (Ling444).

0101	Valentine Hacquard	Seats (Total: 15)
	TuTh 9:30am - 10:45am	MMH 3418

LING429 **Topics in Phonology**

LING429 Topics in Phonology; (3 credits) Grade Method: REG/P-F/AUD.
Typological survey of tone and intonation systems, with emphasis on patterns and diversity of systems and phonetic realization. Prerequisite: LING322

0101	Kristine Yu	Seats (Total: 15)
	MW 4:00pm - 5:15pm	MMH 0108

LING449W **Topics in Psycholinguistics; Words and Sounds in Processing and Aquisition**

LING449W Topics in Psycholinguistics: Words and Sounds in Processing and Aquisition; (3 credits) Grade Method: REG/P-F/AUD.
Word-level influences on sound processing, exemplar vs. abstractionist representations, and children's acquisition of sounds and words. Knowle dge from Phonology I will be presupposed."

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	LEF 1221

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499B **Directed Studies in Linguistics; Discrete Mathematical Models of Mental Grammar**

LING499B *(PermReq)* **Directed Studies in Linguistics: Discrete Mathematical Models of Mental Grammar; (3 credits)** Grade Method: REG/P-F/AUD. Mathematical principles underlying mental grammar, focused on phonology. Regular languages, finite state automata, Turing machines, finite state transducers, neighborhood-distinct languages, local and piecwise type automata, stress, phonotactics, phonological processes, rule-based phonology, Optimality Theory. Context-free grammars, mildly context-sensitive grammars, weighted finite-state transducers, if time permits. Click here for more course information.

0101	Ewan Dunbar	Seats (Total: 10)
	MW 9:00am - 10:15am	MMH 3418

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING611 **Issues in Syntax**

LING611 Issues in Syntax; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 610.* Topics of current theoretical interest examined through data from a variety of languages.

0101	Norbert Hornstein	Seats (Total: 15)
	W 2:00pm - 5:00pm	MMH 1108B

LING621 **Issues in Phonology**

LING621 Issues in Phonology; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 620.* Topics of current interest in phonological theory examined through data from several languages.

0101	William Idsardi	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	WDS 1127

LING641 **Issues in Psycholinguistics**

LING641 Issues in Psycholinguistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 640.* Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics.

0101	Jeffrey Lidz, Colin Phillips	Seats (Total: 15)
	MW 12:00pm - 1:30pm	MMH 1108B

LING661 **Issues in Semantics**

LING661 Issues in Semantics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 660 or permission of department.* A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

0101	Alexander Williams, Valentine Hacquard	Seats (Total: 10)
	TuTh 2:00pm - 3:30pm	WDS 1131

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689B **Independent Study; Computational Psycholinguistics**

LING689B Independent Study: Computational Psycholinguistics; (1-3 credits) Grade Method: REG/AUD.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 10:00am - 11:15am	MMH 3416

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD. Click here for more course information.

0101	Howard Lasnik	Seats (Total: 2)
	F 2:00pm - 4:00pm	MMH 1304

LING773 **Computational Linguistics II**

LING773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as CMSC773. Not open to students who have completed LING647. Formerly LING647.* Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Jordan Boyd-Graber	Seats (Total: 30)
	W 1:30pm - 4:00pm	KEB 1200

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory; Phases & Case**

LING819 Seminar in Syntactic Theory: Phases & Case; (3 credits) Grade Method: REG/AUD.

0101	Masahiko Takahashi	Seats (Total: 15)
	M 2:00pm - 5:00pm	MMH 1108B

LING849 **Seminar in Psycholinguistics**

LING849 Seminar in Psycholinguistics; (3 credits) Grade Method: REG/AUD.

0101	Andrea Zukowski TuTh 2:30pm - 4:00pm	Seats (Total: 15) MMH 3416

LING849B **Seminar in Psycholinguistics; Input and Output in Language Acquisition**

LING849B Seminar in Psycholinguistics: Input and Output in Language Acquisition; (3 credits) Grade Method: REG/AUD.

0101	Meredith Rowe, Jeffrey Lidz Tu 10:00am - 1:00pm	Seats (Total: 25) EDU 3236

LING879 **Seminar in Semantics; Seminar in Semantics**

LING879 Seminar in Semantics: Seminar in Semantics; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski W 9:00am - 12:00pm	Seats (Total: 15) MMH 1108B

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889B **Directed Research; Computational Psycholinguistics**

LING889B Directed Research: Computational Psycholinguistics; (1-8 credits) Grade Method: REG/AUD.

0101	Naomi Feldman TuTh 10:00am - 11:15am	Seats (Total: 15) MMH 3416

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech Spring 2012

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD.

0101	John Benedetto Contact instructor or department for details.	Seats (Total: 5)
0102	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 1)
0501	John Benedetto Contact instructor or department for details.	Seats (Total: 10)

0902	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 10)
2911	Andrew Kebo Contact instructor or department for details.	Seats (Total: 5)

MATH Mathematics Spring 2012

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. Students must pay a special math fee.

0201	Jack Baker MWF 10:00am - 11:50am	Seats (Total: 22) CEN 0200
0202	Jack Baker MWF 10:00am - 11:50am	Seats (Total: 22) COL 0104
0301	Santuria Orsetti MWF 12:00pm - 1:50pm	Seats (Total: 22) CEN 0200
0302	Santuria Orsetti MWF 12:00pm - 1:50pm	Seats (Total: 22) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 22) CEN 0200

0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 22) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 22) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 22) COL 0104

MATH010 **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 22) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0116
1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0119

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 23) MTH B0423
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 23) MTH B0423

0301	Ke Xue MWF 1:00pm - 1:50pm	Seats (Total: 23) MTH 0102
0401	Ke Xue MWF 2:00pm - 2:50pm	Seats (Total: 23) MTH 0102
1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0105

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 26) ARM 0110
0102	Andreas Roy MWF 1:00pm - 1:50pm	Seats (Total: 26) MTH 0411
0103	Saida Zardi MWF 1:00pm - 1:50pm	Seats (Total: 26) MTH 0407
0104	Jonathan Fernandes MWF 1:00pm - 1:50pm	Seats (Total: 26) MTH 0101
0105	Nathaniel Monson MWF 1:00pm - 1:50pm	Seats (Total: 26) MTH B0425
0201	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 26) ARM 0110

0202	Andreas Roy MWF 2:00pm - 2:50pm	Seats (Total: 26) MTH 0411	
0203	Saida Zardi MWF 2:00pm - 2:50pm	Seats (Total: 26) MTH 0407	
0204	Jonathan Fernandes MWF 2:00pm - 2:50pm	Seats (Total: 26) MTH 0101	
0205	Nathaniel Monson MWF 2:00pm - 2:50pm	Seats (Total: 26) MTH B0423	
0311	William Schildknecht MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0106	 Discussion
0321	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0106	 Discussion
0331	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0106	 Discussion
0341	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0106	 Discussion
1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 22) ARM 0116	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Bo Tian MWF 10:00am - 10:50am	Seats (Total: 29) MTH 0106
0201	Adam Ross MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0104
0301	Bo Tian MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0102
0401	Adam Ross MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0104

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Jacqueline Stone MWF 10:00am - 10:50am	Seats (Total: 26) MTH 0302
0102	Raluca Rosca MWF 10:00am - 10:50am	Seats (Total: 26) ARM 0117
0103	Jacob Ralston MWF 10:00am - 10:50am	Seats (Total: 26) MTH B0429
0104	Jonathan Cohen MWF 10:00am - 10:50am	Seats (Total: 26) MTH 0405
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 26) MTH B0425
0202	Ran Ji MWF 11:00am - 11:50am	Seats (Total: 26) MTH 0106
0203	Jacob Ralston MWF 11:00am - 11:50am	Seats (Total: 26) MTH B0429
0204	Jonathan Cohen MWF 11:00am - 11:50am	Seats (Total: 26) MTH 0105
1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0116
1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0116

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115. Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Frances Gulick MW 9:00am - 9:50am MWF 10:00am - 10:50am	Seats (Total: 23) ARM 0135 ARM 0112	 Discussion
0121	Frances Gulick MW 9:00am - 9:50am MWF 11:00am - 11:50am	Seats (Total: 23) ARM 0135 ARM 0112	 Discussion
0131	Frances Gulick MW 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0135 ARM 0112	 Discussion
0141	Frances Gulick MW 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 23) ARM 0135 ARM 0112	 Discussion
0151	Frances Gulick MW 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 23) ARM 0135 ARM 0112	 Discussion
0161	Frances Gulick MW 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 23) ARM 0135 ARM 0112	 Discussion
1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0119	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C- or better in MATH 112,MATH113, or MATH115; or equivalent; or permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM. Restricted to students with Biological Science majors. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140, or MATH220. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Timothy Pilachowski TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0101	 Discussion
0121	Timothy Pilachowski TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0101	 Discussion
0131	Timothy Pilachowski TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0101	 Discussion
0132	Timothy Pilachowski TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0103	 Discussion
0141	Timothy Pilachowski TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0101	 Discussion
0142	Timothy Pilachowski TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0103	 Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C- or better in MATH130 or MATH140 or equivalent. Restricted to s tudents with Biological Science majors. Credit will be granted for only one of the following: MATH131, MATH141, or MATH221. Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Casey Cremins TuTh 9:30am - 10:45am WF 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0121	Casey Cremins TuTh 9:30am - 10:45am WF 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0131	Casey Cremins TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0141	Casey Cremins TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0211	Courtney Davis TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0102	Discussion
0221	Courtney Davis TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0304	Discussion
0231	Courtney Davis TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0306	Discussion
0241	Courtney Davis TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0305	Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C- or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion
0121	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion
0131	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion
0132	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0401	 Discussion
0141	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion
0142	Bradford Sanders MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0401	 Discussion

0211	David Hamilton MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 MTH B0425	Discussion
0212	David Hamilton MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 MTH 0104	Discussion
0221	David Hamilton MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH B0425	Discussion
0222	David Hamilton MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH 0104	Discussion
0231	David Hamilton MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH B0425	Discussion
0232	David Hamilton MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0104	Discussion
0241	David Hamilton MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0126 MTH B0425	Discussion
0242	David Hamilton MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0126 MTH 0104	Discussion

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C- or better in MATH140 or equivalent; or a grade of B- or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0103	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0303	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0103	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0303	Discussion

0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 0303	Discussion
0211	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0131 MTH 0101	Discussion
0212	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0131 MTH 0306	Discussion
0213	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0131 MTH 0102	Discussion
0221	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0131 MTH 0101	Discussion
0222	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0131 MTH 0306	Discussion
0223	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0131 MTH 0102	Discussion
0231	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0131 MTH 0103	Discussion
0232	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0131 MTH B0429	Discussion

0311	Frances Gulick MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0101	Discussion
0312	Frances Gulick MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0306	Discussion
0313	Frances Gulick MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0305	Discussion
0321	Frances Gulick MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 0101	Discussion
0322	Frances Gulick MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 0306	Discussion
0323	Frances Gulick MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 0103	Discussion
0331	Frances Gulick MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0135 MTH 0306	Discussion
0332	Frances Gulick MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0135 MTH 0103	Discussion
0411	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0407	Discussion
0412	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0403	Discussion

0413	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0409	 Discussion
0421	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 0407	 Discussion
0422	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 0403	 Discussion
0423	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0135 MTH 1308	 Discussion
0431	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0135 MTH 0407	 Discussion
0432	Kenneth Berg MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0135 MTH 0403	 Discussion

MATH141H **Calculus II**

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C- or better in MATH140 or equivalent; or a grade of B- or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

0101	Hantaek Bae MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 20) CHM 0124 CHM 0124	

0201	William Martin MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 20) MTH 0304 MTH 0304

MATH206 **Introduction to Matlab**

MATH206 Introduction to Matlab; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Also offered as CMSC206. Credit will be granted for only one of the following: CMSC206, CMSC298M, MATH206 or MATH299M.* This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Justin Wyss-Gallifent **Meets January 25, 2012 - March 4, 2012** Class time/details on ELMs	Seats (Total: 100) ONLINE

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0101	Jonathan Marshall MWF 8:00am - 8:50am	Seats (Total: 20) MTH B0423
0201	Jonathan Marshall MWF 9:00am - 9:50am	Seats (Total: 20) MTH B0423
0401	Brett Williams MWF 12:00pm - 12:50pm	Seats (Total: 20) MTH 0106

0501	Brett Williams MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0103

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.
Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Terence Long MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0201
0201	Terence Long MWF 11:00am - 11:50am	Seats (Total: 25) MTH 0201
0301	Karen McLaren MWF 11:00am - 11:50am	Seats (Total: 20) MTH 0302
0401	Karen McLaren MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH 0201

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.
Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 8:00am - 8:50am	Seats (Total: 25) MTH 0302

0201	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 25) MTH 0302	

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Sean Rostami MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH B0425	Discussion
0112	Sean Rostami MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH B0427	Discussion
0121	Sean Rostami MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH B0425	Discussion
0122	Sean Rostami MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH B0427	Discussion
0131	Sean Rostami MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH B0425	Discussion
0132	Sean Rostami MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH B0427	Discussion

0141	Sean Rostami MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH B0425	Discussion
0142	Sean Rostami MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH B0427	Discussion
0211	Kimberly Fouche MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0405	Discussion
0212	Kimberly Fouche MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0221	Kimberly Fouche MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0405	Discussion
0222	Kimberly Fouche MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0231	Kimberly Fouche MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0405	Discussion
0232	Kimberly Fouche MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0241	Kimberly Fouche MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0106	Discussion
0242	Kimberly Fouche MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion

0311	Joel Cohen TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0312	Joel Cohen TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0321	Joel Cohen TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0322	Joel Cohen TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0331	Joel Cohen TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0332	Joel Cohen TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0341	Joel Cohen TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0342	Joel Cohen TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0307	Discussion

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH 130 or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Timothy Pilachowski MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 20) ARM 0131 MTH 0411	Discussion
0121	Timothy Pilachowski MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 20) ARM 0131 MTH 0405	Discussion
0131	Timothy Pilachowski MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) ARM 0131 MTH 0411	Discussion
0141	Timothy Pilachowski MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) ARM 0131 MTH 0409	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C- or better, or MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	McBlaine Boyle MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0126 MTH 0102	Discussion
0112	McBlaine Boyle MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0126 MTH 0106	Discussion
0113	McBlaine Boyle MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0126 MTH 0105	Discussion
0121	McBlaine Boyle MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0102	Discussion

0122	McBlaine Boyle MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0106	Discussion
0123	McBlaine Boyle MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0105	Discussion
0131	McBlaine Boyle MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0106	Discussion
0132	McBlaine Boyle MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0101	Discussion
0141	McBlaine Boyle MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 25) ARM 0126 MTH 0106	Discussion
0142	McBlaine Boyle MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 25) ARM 0126 MTH 0101	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH B0421	Discussion
0112	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 MTH 0304	Discussion

0121	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH B0421	Discussion
0122	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 MTH 0304	Discussion
0131	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0105	Discussion
0132	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0304	Discussion
0141	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0126 MTH 0105	Discussion
0142	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0211	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0423	Discussion
0212	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0221	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH B0423	Discussion
0222	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion

0231	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH B0423	Discussion
0232	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH 0201	Discussion
0241	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH B0423	Discussion
0242	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0201	Discussion
0311	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH 0403	Discussion
0312	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH 0307	Discussion
0321	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 26) ARM 0135 MTH 0105	Discussion
0322	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 26) ARM 0135 PHY 1219	Discussion
0331	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 26) ARM 0135 MMH 3418	Discussion
0341	Raluca Rosca MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 26) ARM 0135 MMH 1304	Discussion

MATH241H Calculus III

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. For general honors students only. MATH 241H will use MATLAB.

0101	Elizabeth Wilson WF 12:00pm - 12:50pm M 12:00pm - 1:50pm	Seats (Total: 25) MTH 0302 MTH 0303	
0201	William Martin MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 25) MTH 0307 MTH 0304	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0112	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion
0121	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion

0122	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion
0131	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0132	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion
0141	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0142	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion
0211	Charles Levermore TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0212	Charles Levermore TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0403	Discussion
0221	Charles Levermore TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
0222	Charles Levermore TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0401	Discussion
0231	Charles Levermore TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0401	Discussion

0232	Charles Levermore TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0105	Discussion
0241	Charles Levermore TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0401	Discussion
0242	Charles Levermore TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0409	Discussion
0311	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0106	Discussion
0312	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0321	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0106	Discussion
0322	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0331	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0332	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0305	Discussion
0341	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0403	Discussion

0342	Elizabeth Wilson	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	ARM 0126 MTH 0307	Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. For general honors students only. MATH 246H will use MATLAB.

0101	Michael Jakobson	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH 1313

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

0101	Horst Winkelnkemper	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 0307

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0421

MATH312 **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

MATH312 Mathematical Reasoning and Proof for Pre-Service Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
For Elementary, Middle School and Special Education Majors or permission of department. Prerequisite: MATH212 and MATH213. Reasoning and proof as addressed in the middle school curriculum. Topics include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and non-Euclidean geometry.

0101	John Seelke MW 1:00pm - 2:15pm	Seats (Total: 20) EDU 0206

MATH341 **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

MATH341 *(PermReq)* **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH340. A student receiving credit for MATH341 cannot receive credit for MATH240, MATH246, MATH400, or MATH461. A continuation of MATH340.

0101	Niranjan Ramachandran MWF 10:00am - 11:15am	Seats (Total: 26) MTH 1308
0201	Sebastien Motsch MWF 11:00am - 12:15pm	Seats (Total: 28) ARM 0103

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Manoussos Grillakis MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0407
0201	Sean Rostami MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0106
0301	Pierre-Emmanuel Jabin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH B0421
0401	Harbir Antil MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0405

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Horst Winkelnkemper MWF 3:00pm - 3:50pm	Seats (Total: 28) MTH 0403

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Thomas Haines MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0306

MATH404 **Field Theory**

MATH404 Field Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH403. Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

0101	Harry Tamvakis TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 1311

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Niranjan Ramachandran MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0411
0201	Joseph Auslander MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0102

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Melissa Macasieb MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0423
0102	David Kueker MWF 10:00am - 10:50am	Seats (Total: 25) MTH B0425
0201	Christian Zickert TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0303
0301	Koushik Pal TuTh 9:30am - 10:45am	Seats (Total: 30) ARM 0103

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C- or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm	Seats (Total: 30) JMP 3216
0201	Leonid Koralov MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0429
0301	Elizabeth Wilson MWF 11:00am - 11:50am	Seats (Total: 31) CHM 0127
0401	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 30) JMP 3216

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	McBlaine Boyle MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH B0421
0201	Matthias Goerner MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH 0409

MATH412 **Advanced Calculus with Applications**

MATH412 *(PermReq)* **Advanced Calculus with Applications; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Analysis in several variables, and applications, from a computational perspective.

0101	Charles Levermore TuTh 2:00pm - 3:15pm	Seats (Total: 28) MTH 0401

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH240; or permission of department. Familiarity with MATLAB is also required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Julia Dobrosotskaya TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 3106

MATH420 **Mathematical Modeling**

MATH420 Mathematical Modeling; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: MATH241, MATH246, STAT400, MATH240 or MATH461; and permission of department. Also offered as AMSC420. Credit will be granted for only one of the following: AMSC420, MAPL420, or MATH420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Brian Hunt	Seats (Total: 28)
	MWF 11:00am - 11:50am	MTH 1313

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Frances Gulick	Seats (Total: 27)
	MWF 1:00pm - 1:50pm	MTH 1308

MATH437 **Differential Forms**

MATH437 Differential Forms; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241; and either MATH240 or MATH461. Recommended: One of the following - MATH403, MATH405, MATH410, MATH432, or MATH436. Introduction to differential forms and their applications, and unites the fundamental theorems of multivariable calculus in a general Stokes Theorem that is valid in great generality. It develops this theory and technique to perform calculations in analysis and geometry. Topics include an introduction to topological spaces, the Gauss-Bonnet Theorem, Gauss's formula for the linking number, and the Cauchy Integral Theorem. Applications include Maxwell's equations of electromagnetism, connections and gauge theory, and symplectic geometry and Hamiltonian dynamics.

0101	Antoine Mellet TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 0411

MATH446 **Axiomatic Set Theory**

MATH446 Axiomatic Set Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH403 or MATH410.* Development of a system of axiomatic set theory, choice principles, induction principles, ordinal arithmetic including discussion of cancellation laws, divisibility, canonical expansions, cardinal arithmetic including connections with the axiom of choice, Hartog's theorem, Konig's theorem, properties of regular, singular and inaccessible cardinals.

0101	David Kueker MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH 0403

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	James Schafer TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0305
0201	Lawrence Washington TuTh 9:30am - 10:45am	Seats (Total: 46) BPS 1236

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Koushik Pal TuTh 12:30pm - 1:45pm F 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0409	Discussion
0112	Koushik Pal TuTh 12:30pm - 1:45pm F 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0411	Discussion
0121	Koushik Pal TuTh 12:30pm - 1:45pm F 10:00am - 11:15am	Seats (Total: 27) ARM 0131 MTH 0409	Discussion
0122	Koushik Pal TuTh 12:30pm - 1:45pm F 10:00am - 11:15am	Seats (Total: 27) ARM 0131 MTH 0411	Discussion
0131	Koushik Pal TuTh 12:30pm - 1:45pm F 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 MTH 0401	Discussion
0132	Koushik Pal TuTh 12:30pm - 1:45pm F 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 EGR 0309	Discussion
0141	Koushik Pal TuTh 12:30pm - 1:45pm F 3:30pm - 4:45pm	Seats (Total: 27) ARM 0131 MTH B0429	Discussion
0142	Koushik Pal TuTh 12:30pm - 1:45pm F 3:30pm - 4:45pm	Seats (Total: 27) ARM 0131 MTH B0421	Discussion

0143	Koushik Pal TuTh 12:30pm - 1:45pm F 3:30pm - 4:45pm	Seats (Total: 27) ARM 0131 MTH 0401	 Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Tobias von Petersdorff MWF 12:00pm - 12:50pm	Seats (Total: 30) EGR 1104

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	David Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) CHE 2118
0201	Casey Cremins TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0304

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Radu Balan	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 4122

MATH475 **Combinatorics and Graph Theory**

MATH475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241; and permission of department. Also offered as CMSC475. Credit will be granted for only one of the following: MATH475 or CMSC475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 28)
	MWF 10:00am - 10:50am	MTH 1313

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH481 **Statistics and Data Analysis for Middle School Teachers**

MATH481 Statistics and Data Analysis for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH214 or equivalent. Course for middle school teachers. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Not open to students who have completed MATH498B. Credit will be granted for only one of the following: MATH481, MATH498B, or MATH485. Formerly MATH498B. Prepares teachers with elementary certification to teach simple data analysis and probability in middle school. Focuses on understanding basic statistics, data analysis, and related theoretical ideas.

IHP1	Richard Hollenbeck	Seats (Total: 25)
	Meets January 19, 2012 - May 10, 2012	
	Th 5:00pm - 8:00pm	Location: TBA
	Department permission required. Contact Diane James (djames1@umd.edu).	

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH601 **Abstract Algebra II**

MATH601 Abstract Algebra II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 600. Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra. Offered Spring only.

0101	James Schafer	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0403

MATH607 **Algebraic Geometry II**

MATH607 Algebraic Geometry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 606. Topics in contemporary algebraic geometry chosen from among: theory of algebraic curves and surfaces, elliptic curves, Abelian varieties, theory of schemes, theory of zeta functions, formal cohomology, algebraic groups, reduction theory.

0101	Amin Gholampour	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 0405

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608J **Selected Topics in Algebra; Quadratic Forms**

MATH608J Selected Topics in Algebra: Quadratic Forms; (1-3 credits) Grade Method: REG/AUD.

0101	Patrick Brosnan	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 0102

MATH631 **Real Analysis II**

MATH631 Real Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 630. Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem. Offered Spring only.

0101	Patrick Fitzpatrick	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH 1313

MATH636 **Representation Theory**

MATH636 Representation Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 631. Introduction to representation theory of Lie groups and Lie algebras; initiation into non-abelian harmonic analysis through a detailed study of the most basic examples, such as unitary and orthogonal groups, the Heisenberg group, Euclidean motion groups, the special linear group. Additional topics from the theory of nilpotent Lie groups, semisimple Lie groups, p-adic groups or C-algebras.

0101	Jeffrey Adams	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 1311

MATH643 **Dynamical Systems II**

MATH643 Dynamical Systems II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 642 or equivalent. Entropy theory, variational principle for the entropy, expansiveness, measures with maximal entropy. Smooth systems on manifolds, diffeomorphisms and flows, periodic points, stable and unstable manifolds, homoclinic points, transversality, the Krupka-Smale theorem, Morse-Smale systems. Hyperbolicity, Anosov systems, distributions and foliations, strange attractors, Bowen's measure.

0101	Dmitry Dolgopyat	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH B0431

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648I **Selected Topics in Analysis; Compressive Sensing and Sparse Representation for Data Processing**

MATH648I Selected Topics in Analysis: Compressive Sensing and Sparse Representation for Data Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Wojciech Czaja	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH B0427

MATH648M **Selected Topics in Analysis; Advanced Analytic Methods with Applications**

MATH648M Selected Topics in Analysis: Advanced Analytic Methods with Applications; (1-3 credits) Grade Method: REG/AUD.

0101	Manoussos Grillakis	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	MTH 1313

MATH660 **Complex Analysis I**

MATH660 Complex Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 410 or equivalent.* Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Scott Wolpert	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 1311

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH671 **Ordinary Differential Equations II**

MATH671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH630; and AMSC/MATH/MAPL670 or equivalent. Also offered as AMSC671. Credit will be granted for only one of the following: AMSC671, MAPL671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems, and the like.

0101	Michael Jakobson	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 0401

MATH674 **Partial Differential Equations II**

MATH674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MATH/MAPL673 or permission of instructor. Also offered as AMSC674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

0101	Matei Machedon	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0409

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH713 **Mathematical Logic II**

MATH713 Mathematical Logic II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 712 or MATH 447.* Incompleteness and undecidability results of Godel, Church, Tarski and others. Recursive function. Basic proof theory and axiomatic set theory. Offered Spring only.

0101	David Kueker	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH B0431

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH734 **Algebraic Topology**

MATH734 Algebraic Topology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 403 or equivalent. Recommended: MATH 730. Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology. Offered Spring only.

0101	Joel Cohen	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0105

MATH742 **Differential Topology**

MATH742 Differential Topology; (3 credits) Grade Method: REG/AUD.
Prerequisites: {MATH 410; and MATH 411} or equivalent. Inverse and implicit function theorems, Sard's theorem, orientability, degrees, smooth vector bundles, imbeddings and immersions, transversality approximation theorems and applications, isotopy extension theorem, tubular neighborhoods.

0101	Sergei Novikov	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH B0429

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH748R **Selected Topics in Geometry and Topology; Homotopy Theory**

MATH748R Selected Topics in Geometry and Topology: Homotopy Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Jonathan Rosenberg	Seats (Total: 20)
	MWF 9:00am - 9:50am	MTH 0102

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Spring 2012

MEES608C **Seminar in Marine-Estuarine-Environmental Sciences; Ecological Stoichiometry**

MEES608C Seminar in Marine-Estuarine-Environmental Sciences: Ecological Stoichiometry; (1 credit) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Patricia Glibert	Seats (Total: 12)
	Tu 4:00pm - 5:00pm	COL 0105

MEES608F **Seminar in Marine-Estuarine-Environmental Sciences; Ecosystems Complexity**

MEES608F Seminar in Marine-Estuarine-Environmental Sciences: Ecosystems Complexity; (1 credit) Grade Method: REG/AUD.
Course is taught at Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Michael Wilberg, Lora Harris	Seats (Total: 15)
	Tu 2:00pm - 3:00pm	COL 0105

MEES608I **Seminar in Marine-Estuarine-Environmental Sciences; Harmful Algal Blooms**

MEES608I Seminar in Marine-Estuarine-Environmental Sciences: Harmful Algal Blooms; (2 credits) Grade Method: REG/AUD.
Course is taught at College Park and on the Interactive Video Network.

0101	Kevin Sellner	Seats (Total: 15)
	Tu 12:00pm - 2:00pm	COL 0105

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Ecological Economics and Development**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Ecological Economics and Development; (1 credit) Grade Method: REG.

0101	Matthias Ruth	Seats (Total: 15)
	F 12:00pm - 1:30pm	VMH 1113

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in OMICS: Cell Biology and Neurosciences**

MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in OMICS: Cell Biology and Neurosciences; (2 credits) Grade Method: REG/AUD.
Course is taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Shao Du, Jum Sook Chung	Seats (Total: 15)
	F 12:00pm - 2:00pm	COL 0105

MEES608T **Seminar in Marine-Estuarine-Environmental Sciences; Applications of State-of-the-Art Analytical Techniques in the Environmental Sciences**

MEES608T Seminar in Marine-Estuarine-Environmental Sciences: Applications of State-of-the-Art Analytical Techniques in the Environmental Sciences; (2 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Inte ractive Video Network.

0101	Johan Schijf	Seats (Total: 15)
	F 9:00am - 11:00am	COL 0105

MEES631 **Fish Ecology**

MEES631 Fish Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM 401 or permission of instructor. Study of the interrelationships between individuals, their communities and environment. Explores the environmental biology of fish, feeding ecology, energetics and growth, population biology, reproduction and life history, and population and community interactions. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Thomas Miller	Seats (Total: 20)
	TuTh 9:00am - 10:30am	COL 0105

MEES652 **Advanced Wetland Creation and Restoration**

MEES652 Advanced Wetland Creation and Restoration; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI106; and one of the following: BSCI362, ENST360, ENST450, or MEES650; or permission of department. Also offered as ENST652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652. Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment.

0101	Andrew Baldwin	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ANS 0412

MEES661 **Physics of Estuarine and Marine Environments**

MEES661 Physics of Estuarine and Marine Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: one year of calculus and one year of physics or permission of instructor. General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	William Boicourt, Victoria Coles MW 11:30am - 1:00pm	Seats (Total: 25) COL 0105

MEES698A **Special Topics in Marine-Estuarine-Environmental Sciences; Aquatic Microbial Ecology**

MEES698A Special Topics in Marine-Estuarine-Environmental Sciences: Aquatic Microbial Ecology; (3 credits) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Byron Crump TuTh 10:30am - 12:00pm	Seats (Total: 20) COL 0105

MEES698F **Special Topics in Marine-Estuarine-Environmental Sciences; Fisheries Oceanography**

MEES698F Special Topics in Marine-Estuarine-Environmental Sciences: Fisheries Oceanography; (3 credits) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Elizabeth North MW 4:00pm - 5:30pm	Seats (Total: 15) COL 0105

MEES698G **Special Topics in Marine-Estuarine-Environmental Sciences; Zooplankton Ecology**

MEES698G Special Topics in Marine-Estuarine-Environmental Sciences: Zooplankton Ecology; (3 credits) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Michael Roman, Diane Stoecker, James Pierson MW 2:30pm - 4:00pm	Seats (Total: 15) COL 0105

MEES698J **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Industrial Ecology**

MEES698J Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD.
Also offered as ENST443 and ENST643.

0101	Patrick Kangas MW 11:00am - 12:15pm	Seats (Total: 20) ANS 0538

MEES698O **Special Topics in Marine-Estuarine-Environmental Sciences; Hydrological Effects of Land Use Change**

MEES698O Special Topics in Marine-Estuarine-Environmental Sciences: Hydrological Effects of Land Use Change; (3 credits) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Keith Eshleman	Seats (Total: 15)	
	MW 10:00am - 11:30am	COL 0105	

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

MEES698P *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Prairie Dogs; (4 credits)** Grade Method: REG/AUD.
Field course at the Arapaho National Wildlife Refuge in Walden, Colorado.

0101	John Hoogland	Seats (Total: 10)	
	Contact instructor or department for details.		

MEES698R **Special Topics in Marine-Estuarine-Environmental Sciences; Physiology of Fishes**

MEES698R Special Topics in Marine-Estuarine-Environmental Sciences: Physiology of Fishes; (3 credits) Grade Method: REG/AUD.
Prerequisite: ANSC212 or equivalent. Also offered as ANSC688K. Course will be taught at the University of Maryland, College Park, and will also be available via Adobe Connect. Please contact the instructor if you plan to take the course using Adobe Connect.

0101	Edward Orlando	Seats (Total: 15)	
	Tu 3:30pm - 5:20pm	SYM 0118	
	Tu 5:30pm - 6:20pm	SYM 0118	Discussion

MEES698Z **Special Topics in Marine-Estuarine-Environmental Sciences; Energy and Environment**

MEES698Z Special Topics in Marine-Estuarine-Environmental Sciences: Energy and Environment; (3 credits) Grade Method: REG/AUD.
Also offered as ENST405.

0101	David Tilley	Seats (Total: 42)
	MWF 10:00am - 10:50am	ANS 0422

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES708I **Advanced Topics in Marine-Estuarine-Environmental Science; Isotope Biogeochemical Modeling**

MEES708I Advanced Topics in Marine-Estuarine-Environmental Science: Isotope Biogeochemical Modeling; (3 credits) Grade Method: REG/AUD. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network. Prerequisite: MEES626 or permission of instructor.

0101	Kelly Kilbourne	Seats (Total: 15)
	MW 8:30am - 10:00am	COL 0105

MEES743 **Aquatic Toxicology**

MEES743 Aquatic Toxicology; (3 credits) Grade Method: REG/AUD. *Prerequisite: BCHM462 or permission of instructor.* Basic concepts and principles of aquatic toxicology, laboratory testing and field situations, as well as examples of typical data and their interpretation and use; Toxicology action and fate of environmental pollutants will be examined in aquatic ecosystems, whole organisms and at the cellular, biochemical, and molecular levels. Course is taught at Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 15)
	MW 1:00pm - 2:30pm	COL 0105

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Spring 2012

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Paul Turner	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0303

MIEH609 **Methods in Toxicology**

MIEH609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH688 **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

MIEH688 *(PermReq)* **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health; (1 credit)** Grade Method: S-F.

0101	Amy Sapkota	Seats (Total: 15)
	M 12:00pm - 12:50pm	SPH 2234CC

MIEH720 **Principles of Toxicology**

MIEH720 Principles of Toxicology; (3 credits) Grade Method: REG/AUD. *Prerequisite: MIEH600. Recommended: some coursework in chemistry and/or biology.* Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

0101	Paul Turner	Seats (Total: 25)
	Th 1:00pm - 3:45pm	LEF 1201

MIEH760 **Spatial Epidemiology**

MIEH760 *(PermReq)* **Spatial Epidemiology; (3 credits)** Grade Method: REG/AUD. Students are provided with an introduction to spatial resources and methods specific to public health, with an emphasis on epidemiology and environmental applications. Students will be introduced to spatial resources, concepts, and tools relevant to public health research and practice. They will acquire skills to interpret, evaluate, and design basic public health spatial research projects; and to conduct simple spatial analyses.

0101	Robin Puett	Seats (Total: 12)
	W 1:00pm - 3:45pm	JUL 1105

MIEH770 **Law and Policy in Environmental Health**

MIEH770 *(PermReq)* **Law and Policy in Environmental Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MIEH600. Overview of laws that affect the environment, and the various ways in which businesses are regulated by the government in the interest of protecting the environment. International, Federal, state, and local laws and regulations related to the protection of human health and the regulation of environmental containments, including biological, physicalanc chemical factors affecting community health. Examination of the interactions between and differing responsibilities of various agencies enforcing environmental laws and regulations.

0101	Sacoby Wilson	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	PLS 1184

MIEH771 **Exposure Assessment of Environmental Hazards**

MIEH771 Exposure Assessment of Environmental Hazards; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600 and EPIB650. Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

0101	Amir Sapkota	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 0305

MIEH785 **Internship in Public Health**

MIEH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

MIEH786 **Captsone Project in Public Health**

MIEH786 Captsone Project in Public Health; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

MIEH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

MIEH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Spring 2012

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Charles Fletcher TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0201	Carolyn Sweterlitsch TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 2160
0301	Jami Bolton TuTh 4:15pm - 5:30pm	Seats (Total: 25) PAC 2160

MUED187 **Pre-Professional Experiences II**

MUED187 Pre-Professional Experiences II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: MUED186. For MUED majors only. Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

0101	Charles Fletcher M 2:00pm - 2:50pm	Seats (Total: 25) PAC 2160

MUED216 **Percussion Technique and Pedagogy**

MUED216 Percussion Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Lee Hinkle MWF 8:00am - 8:50am	Seats (Total: 15) PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

MUED217 Brass Instrument Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Michael Hewitt MWF 10:00am - 10:50am	Seats (Total: 15) PAC 1230

MUED222 **Classroom Instruments Technique and Pedagogy**

MUED222 Classroom Instruments Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED186 and MUED187. For MUED majors only. An introduction to the fundamentals of classroom instruments technique and pedagogy for the choral and general teacher.

0101	Kevin Wiedel W 12:00pm - 1:50pm	Seats (Total: 15) PAC 2130A

MUED311 **Foundations of Elementary Instrumental Instruction**

MUED311 Foundations of Elementary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

0101	Michael Hewitt TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 2540

MUED411 **Advanced Methods in Elementary Instrumental Music Instruction**

MUED411 Advanced Methods in Elementary Instrumental Music Instruction; (2 credits) Grade Method: REG.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

0101	Bruce Carter Tu 11:00am - 11:50am Th 9:00am - 11:50am	Seats (Total: 15) PAC 2540 PAC 2540

MUED472 **Choral Methods**

MUED472 *(PermReq)* **Choral Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUED471. Corequisite: MUED489. For MUED majors only. Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

0101	Kenneth Elpus W 4:00pm - 6:00pm	Seats (Total: 15) PAC 2130A

MUED473 **Secondary General Music Methods**

MUED473 Secondary General Music Methods; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Introduction to current trends, materials and approaches in secondary general music instruction.

0101	Janet Montgomery Tu 9:00am - 10:40am	Seats (Total: 20) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Kenneth Elpus Tu 7:30pm - 8:30pm	Seats (Total: 15) PAC 2160

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Janet Montgomery Contact instructor or department for details.	Seats (Total: 15)

MUED489C **Field Experiences**

MUED489C *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Kenneth Elpus Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A

MUED489I **Field Experiences**

MUED489I *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Bruce Carter Contact instructor or department for details.	Seats (Total: 15)

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Janet Montgomery	Seats (Total: 15)	
	Contact instructor or department for details.		

MUED691 **Psychology of Music Teaching and Learning**

MUED691 Psychology of Music Teaching and Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. An overview of the psychological bases of musical behavior, with particular emphasis on the teaching and learning of music.

0101	Kenneth Elpus	Seats (Total: 15)	
	M 5:30pm - 8:00pm	PAC 2130A	

MUET Ethnomusicology Spring 2012

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change.

0101	Boden Sandstrom	Seats (Total: 25)	
	W 1:00pm - 2:50pm	SKN 0200	
	M 11:00am - 11:50am	PAC 2160	Discussion

0102	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0105	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0106	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Fernando Rios MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0102	Fernando Rios MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0103	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 PAC 1815	 Discussion
0107	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TWS 1107	 Discussion
0108	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TWS 1107	 Discussion
0109	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TWS 1107	 Discussion
0110	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 EDU 0212	 Discussion

0111	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 EDU 0212	 Discussion
0112	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 EDU 0212	 Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	Robert Provine MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3168	 Discussion
0102	Robert Provine MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3168	 Discussion
0103	Robert Provine MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	 Discussion
0104	Robert Provine MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion
0105	Robert Provine MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion
0106	Robert Provine MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion

MUET438D **Area Studies in Ethnomusicology**

MUET438D *(PermReq)* **Area Studies in Ethnomusicology; (3 credits)** Grade Method: REG.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 12)

MUET438K **Area Studies in Ethnomusicology; Traditional Music of Korea**

MUET438K *(PermReq)* **Area Studies in Ethnomusicology: Traditional Music of Korea; (3 credits)** Grade Method: REG.

0101	Robert Provine Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET650 **The Anthropology of Music**

MUET650 The Anthropology of Music; (3 credits) Grade Method: REG.
Prerequisite: MUET 420 or equivalent; or permission of instructor. An exploration of theories and methods in anthropology that have influenced the cross-cultural study of music, dance, theater and ritual performance.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET676 **Current theory and Method in Ethnomusicology**

MUET676 Current theory and Method in Ethnomusicology; (3 credits) Grade Method: REG.
Prerequisite: MUET 675 or equivalent. Reading and discussion of major works in ethnomusicology, with emphasis on a close examination of trends in methodology and theory from approximately twenty years before the present to current work in both areas. Current work in all geographic areas will be reviewed and analyzed.

0101	John Witzleben M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET679F **Seminar in Ethnomusicology; Music & Film**

MUET679F Seminar in Ethnomusicology: Music & Film; (3 credits) Grade Method: REG.

0101	John Witzleben Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC School of Music Spring 2012

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	David George Contact instructor or department for details.	Seats (Total: 150)

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG/P-F/AUD.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Madeline Miskie MW 11:00am - 11:50am	Seats (Total: 15) PAC 2170
0102	Madeline Miskie MW 2:00pm - 2:50pm	Seats (Total: 15) PAC 2170

MUSC103 **Beginning Class Piano II**

MUSC103 *(PermReq)* **Beginning Class Piano II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC102 or permission of department. Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun. Limited to music majors.

0101	Michael Angelucci TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123

0201	Christiana Iheadindu MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Daniel Pereira MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC126 **Vocal Diction: English and Latin**

MUSC126 *(PermReq)* **Vocal Diction: English and Latin; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

0101	Michael Mentzel TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG/P-F/AUD.
For Bachelor of Music piano majors only.

0101	Michael Angelucci MW 10:00am - 10:50am	Seats (Total: 5) PAC 2201

MUSC129A **Ensemble; Chamber Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Strings; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Brasses; (1 credit)** Grade Method: REG/P-F/AUD.
For Music majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 15)	
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards	Seats (Total: 15)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Sarah Fuller	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	Dora Hanninen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Flute Choir; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 17)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Timothy Powell	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Christopher Dudley Contact instructor or department for details.	Seats (Total: 10)	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner Contact instructor or department for details.	Seats (Total: 10)	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Patrick Warfield MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 PAC 2164	Discussion
0102	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 PAC 2164	Discussion
0103	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 2164	Discussion
0104	Patrick Warfield MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

0105	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0106	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0107	Patrick Warfield MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 PAC 2200	Discussion
0108	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 PAC 2200	Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today. For general honors students only.

0109	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) SKN 0200 PAC 2200	Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	John Leszczynski MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 12) PAC 2168 PAC 1108	Discussion

0102	John Leszczynski MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0201	John Leszczynski MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0202	John Leszczynski MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion

MUSC151 **Theory of Music II**

MUSC151 *(PermReq)* **Theory of Music II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: a grade of C- or better in MUSC150.* A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab
0301	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab

0302	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab

MUSC203 **Intermediate Class Piano II**

MUSC203 *(PermReq)* **Intermediate Class Piano II; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC202 or equivalent piano training. Advanced keyboard techniques. Continuation of skills introduced in MUSC202. Transposition, modulation and sight reading; methods of teaching functional piano. Development of style in playing accompaniments and in playing for community singing. More advanced repertory.

0101	Daniel Pereira MWF 9:00am - 9:50am	Seats (Total: 10) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Richard King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0103	Richard King MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0104	Richard King MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion

0105	Richard King MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0106	Richard King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0107	Richard King MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Richard King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion

MUSC226 **Vocal Diction: French**

MUSC226 *(PermReq)* **Vocal Diction: French; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

0101	Diba Alvi TuTh 11:00am - 11:50am	Seats (Total: 20) PAC 3168	

MUSC229A **Ensemble; Symphony Orchestra**

MUSC229A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross TuTh 3:30pm - 6:30pm	Seats (Total: 70) PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG. Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG. Open by audition. Contact instructor to make arrangements.

0101	Lowell Sparks	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG/P-F/AUD.

0101	Lowell Sparks	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2540	

MUSC229J **Ensemble; Jazz**

MUSC229J *(PermReq)* **Ensemble: Jazz; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 25)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 30)	
	MW 1:00pm - 2:15pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 35)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P Ensemble: Pep Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 150)	
	Contact instructor or department for details.		

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 150)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 5)	
	Contact instructor or department for details.		
0201	Thomas Baldwin	Seats (Total: 5)	
	Contact instructor or department for details.		
0301	Brent Madsen	Seats (Total: 10)	
	Contact instructor or department for details.		
0401	Alexander Poetzschke	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from Corelli through Beethoven.

0101	Richard King MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2200 PAC 2164	 Discussion
0102	Richard King MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2200 PAC 2164	 Discussion
0103	Richard King MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 25) PAC 2200 PAC 2164	 Discussion

MUSC251 **Advanced Theory of Music II**

MUSC251 *(PermReq)* **Advanced Theory of Music II; (4 credits)** Grade Method: REG/AUD.
Prerequisite: a grade of C- or better in MUSC250. A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Daniel Zimmerman TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0102	Daniel Zimmerman TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0201	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0202	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab

0301	Dora Hanninen	Seats (Total: 6)	
	TuThF 10:00am - 10:50am	PAC 3160	
	MW 9:00am - 9:50am	PAC 3160	Lab
0302	Dora Hanninen	Seats (Total: 6)	
	TuThF 10:00am - 10:50am	PAC 3160	
	MW 10:00am - 10:50am	PAC 3160	Lab

MUSC269A **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

Contact department for information to register for this course.

MUSC269M **Special Topics in Study Abroad II; Czech Music**

Contact department for information to register for this course.

MUSC289I **Exploring the Power of Musical Performance in Social Engagement**

MUSC289I Exploring the Power of Musical Performance in Social Engagement; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Boden Sandstrom	Seats (Total: 40)
	TuTh 9:30am - 10:45am	PAC 2200

MUSC328 **Introduction to Chamber Music for Pianists**

MUSC328 Introduction to Chamber Music for Pianists; (2 credits) Grade Method: REG/P-F/AUD.

0101	David Ballena	Seats (Total: 10)
	F 11:00am - 1:00pm	PAC 2126

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)**
Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 80)	
	TuTh 3:00pm - 4:30pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 5:45pm	PAC 2201	

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Dustin Francis	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC329O **Ensemble; Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 30)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus MWF 12:00pm - 12:50pm	Seats (Total: 60) PAC 2201

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond MW 4:00pm - 6:00pm	Seats (Total: 15) PAC 2170

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0401	Christopher Vadala Contact instructor or department for details.	Seats (Total: 5)

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)

MUSC400V **Music Pedagogy**

MUSC400V *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSP315; and permission of department.* Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Diba Alvi TuTh 9:00am - 10:15am	Seats (Total: 25) PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 Repertoire Coaching of Vocal or Chamber Music; (2 credits) Grade Method: REG/P-F/AUD.

0101	Rita Sloan Contact instructor or department for details.	Seats (Total: 5)

MUSC436 **Jazz: Then and Now**

MUSC436 Jazz: Then and Now; (3 credits) Grade Method: REG/P-F/AUD. Major styles and influential artists of the past 75 years of jazz.

0101	Richard Wexler MW 3:00pm - 4:15pm	Seats (Total: 20) PAC 3160

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC445 **Survey of the Opera**

MUSC445 Survey of the Opera; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330, MUSC331 or equivalent. A study of the music, librettos and composers of the standard operas.

0101	Olga Haldey	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2160

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor. Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	W 4:30pm - 5:45pm	PAC 1117

MUSC448E **Selected Topics in Music; Symphonic Literature**

MUSC448E Selected Topics in Music: Symphonic Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Wexler	Seats (Total: 12)
	Tu 7:00pm - 9:30pm	PAC 3110A

MUSC448F **Selected Topics in Music; Style Analysis**

MUSC448F *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor. Also offered as MUSC673.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448Q **Selected Topics in Music; Orchestral Excerpts for Cellists**

MUSC448Q *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Cellists; (1 credit)** Grade Method: REG/P-F/AUD.

0101	David Teie	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448X **Selected Topics in Music; Orchestral Excerpts: Harp**

MUSC448X Selected Topics in Music: Orchestral Excerpts: Harp; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sarah Fuller	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	James Fry	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC454 **Jazz Improvisation II**

MUSC454 Jazz Improvisation II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC453 or equivalent; and permission of department. Credit will be granted for only one of the following: MUSC346 or MUSC454. Formerly MUSC346.* Continuation of MUSC453 including scoring and transcription.

0101	Gerard Kunkel	Seats (Total: 8)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC456 **Jazz Arranging**

MUSC456 Jazz Arranging; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC455 and permission of department. Credit will be granted for only one of the following: MUSC448N or MUSC456. Formerly MUSC448N.* A comprehensive approach to jazz arranging. Topics to include chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

0101	Timothy Powell	Seats (Total: 12)
	M 7:30pm - 10:00pm	PAC 2168

MUSC463 **Applications in Music Technology**

MUSC463 *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.
A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Mark Nowakowski Th 1:00pm - 3:30pm	Seats (Total: 16) PAC 1108

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0101	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 12) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC491 **Conducting II**

MUSC491 *(PermReq)* **Conducting II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC490 or equivalent. Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation. Concurrent registration in MUED472.

0101	Edward Maclary MW 9:00am - 9:50am	Seats (Total: 20) PAC 2201

MUSC493 **Keyboard Music II**

MUSC493 Keyboard Music II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC492 and permission of department. The history and literature of harpsichord and solo piano music from the Romantic period to the present. Emphasis is placed on those segments of repertory which are encountered in performance and teaching situations at the present time.

0101	Mayron Tsong	Seats (Total: 15)
	M 11:00am - 1:30pm	PAC 3168

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC602 **Advanced Italian Lyric Diction**

MUSC602 *(PermReq)* **Advanced Italian Lyric Diction; (1 credit)** Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

0101	Dominic Cossa	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Gran Wilson	Seats (Total: 15)	
	Tu 10:30am - 12:00pm	PAC 2170	

MUSC606 **Opera Repertory II**

MUSC606 Opera Repertory II; (1 credit) Grade Method: REG/AUD.
Prerequisite: MUSC 605 or permission of instructor. For MUSC majors only.
Continuation of MUSC 605. Advanced vocal coaching of selections from the Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

0101	Carmen Balthrop	Seats (Total: 10)	
	Th 10:30am - 12:00pm	TWS 1121	Lab

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC612 **Opera Techniques II**

MUSC612 *(PermReq)* **Opera Techniques II; (2 credits)** Grade Method: REG/AUD.
Prerequisites: MUSC 611 with a grade of B- or better and permission of Director of Opera. Corequisite: MUSC 602. For MUSC majors only. Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC614 **Opera Techniques IV**

MUSC614 *(PermReq)* **Opera Techniques IV; (2 credits)** Grade Method: REG/AUD.
Prerequisites: MUSC 613 with a grade of B- or better and permission of Director of Opera. Corequisites: MUSC 604 and MUSC 606. For MUSC majors only.
Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Symphony Orchestra**

MUSC629A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B Ensemble: University of Maryland Brass Ensemble; (1 credit) Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 4)	
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards M 7:00pm - 8:30pm	Seats (Total: 4) PAC 2540	 Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G *(PermReq)* **Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

0101	I Suadin Th 7:00pm - 8:30pm	Seats (Total: 5) PAC 1230	 Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I Ensemble: New Music Ensemble; (1 credit) Grade Method: REG.

0101	Mark Wilson Contact instructor or department for details.	Seats (Total: 5)	

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 20) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 1) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 10) PAC 1230	 Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K *(PermReq)* **Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Flute Choir**

MUSC629M Ensemble: Chamber Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC629O **Ensemble; Tuba and Euphonium**

MUSC629O Ensemble: Tuba and Euphonium; (1 credit) Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone Ensemble**

MUSC629S Ensemble: Saxophone Ensemble; (1 credit) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone Ensemble**

MUSC629T Ensemble: Trombone Ensemble; (1 credit) Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z Ensemble: Jazz Combo; (1 credit) Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 5)
	Contact instructor or department for details.	
0201	Thomas Baldwin	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Brent Madsen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC639D **Seminar in Music; DuFay**

MUSC639D Seminar in Music: DuFay; (3 credits) Grade Method: REG/AUD.

0101	Barbara Haggh-Huglo	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	PAC 3110A

MUSC645 **Seminar in Vocal Pedagogy**

MUSC645 *(PermReq)* **Seminar in Vocal Pedagogy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 400 or equivalent. A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest. Advanced special students require department authorization.

0101	Martha Randall	Seats (Total: 15)	
	MW 9:30am - 10:45am	PAC 3168	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 3:00pm - 4:30pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 5:45pm	PAC 2201	Lab

MUSC649E **Ensemble; Gospel Choir**

MUSC649E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Dustin Francis	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC649O **Ensemble; Opera Chorus**

MUSC649O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 15)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus	Seats (Total: 10)
	MWF 12:00pm - 12:50pm	PAC 2201

MUSC658 **Seminar in Advanced Analysis**

MUSC658 *(PermReq)* **Seminar in Advanced Analysis; (3 credits)** Grade Method: REG.

0101	Thomas DeLio	Seats (Total: 6)
	W 11:00am - 1:30pm	PAC 1110C

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 Seminar in Choral Repertoire and Pedagogy; (2 credits) Grade Method: REG/AUD.

0101	Edward Maclary	Seats (Total: 6)	
	W 2:00pm - 2:50pm	PAC 3164	Lab

MUSC661 **Theory and Analysis of Atonal and Twelve-Tone Music**

MUSC661 Theory and Analysis of Atonal and Twelve-Tone Music; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC450 and permission of department. Not open to students who have completed MUSC461 or MUSC699T. Credit will be granted for only one of the following: MUSC461, MUSC661, MUSC699T. Formerly MUSC699T. An introduction to the advanced theroetical literature in atonal and twelve-tone music with an emphasison analytical applications to music but prominent 20th century composers.

0101	Dora Hanninen TuTh 11:00am - 12:15pm	Seats (Total: 10) PAC 3160

MUSC671 **Advanced Analytical Techniques II**

MUSC671 Advanced Analytical Techniques II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 451 or permission of department. Analysis of representative masterpieces of the nineteenth and early twentieth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 15) PAC 2160

MUSC673 **Style Analysis**

MUSC673 Style Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC251 and permission of department. Not open to students who have completed MUSC448 or MUSC699F. Credit will be granted for only one of the following: MUSC673, MUSC448F, MUSC699F. Formerly MUSC699F. An analytical study of musical style from the Middle Ages to present through analysis of selected compositions. The principle genres and composers of Medieval, Renaissance, Baroque, Classical, Romantic and 20th century music will be covered. Also offered as MUSC448F.

0101	James Fry TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 2160

MUSC680 **Seminar in Music of Antiquity and the Middle Ages**

MUSC680 Seminar in Music of Antiquity and the Middle Ages; (3 credits) Grade Method: REG/AUD.
Research topics in music from antiquity to 1450.

0101	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 3110A

MUSC685 **Seminar in Music of the 20th Century**

MUSC685 Seminar in Music of the 20th Century; (3 credits) Grade Method: REG/AUD.
Seminar in music of the twentieth century. Research topics in music from 1900 to the present.

0101	Olga Haldey W 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A	

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD.
Advanced special students require department authorization. Limited to conducting majors only.

0101	Edward Maclary Th 12:00pm - 2:30pm Contact instructor or department for details.	Seats (Total: 15) PAC 3164	Lab
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 10) PAC 3168 PAC 1230	
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 10) PAC 3168	

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Robert Oppelt W 4:30pm - 5:45pm	Seats (Total: 15) PAC 1117	

MUSC699E **Selected Topics in Music; Symphonic Literature**

MUSC699E Selected Topics in Music: Symphonic Literature; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler	Seats (Total: 12)
	Tu 7:00pm - 9:30pm	PAC 3110A

MUSC699P **Selected Topics in Music; Political Music in Nineteenth-Century America**

MUSC699P *(PermReq)* **Selected Topics in Music: Political Music in Nineteenth-Century America; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Patrick Warfield	Seats (Total: 12)
	M 6:30pm - 9:00pm	PAC 3110A

MUSC699Q **Selected Topics in Music; Orchestral Excerpts for Cellists**

MUSC699Q *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Cellists; (1 credit)** Grade Method: REG/AUD.

0101	David Teie	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699V **Selected Topics in Music; Vocal Opera Coaching**

MUSC699V Selected Topics in Music: Vocal Opera Coaching; (3 credits) Grade Method: REG/AUD.

0101	Robert McReynolds	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699X **Selected Topics in Music; Orchestral Excerpts: Harp**

MUSC699X Selected Topics in Music: Orchestral Excerpts: Harp; (1 credit) Grade Method: REG/AUD.

0101	Sarah Fuller	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699Z **Selected Topics in Music; Jazz Improvisation II**

MUSC699Z Selected Topics in Music: Jazz Improvisation II; (3 credits) Grade Method: REG/AUD.

0101	Gerard Kunkel	Seats (Total: 5)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC801A **Advanced Seminar in Music Pedagogy**

MUSC801A Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Rita Sloan	Seats (Total: 10)
	Th 9:00am - 12:30pm	PAC 2126

MUSC801P **Advanced Seminar in Music Pedagogy**

MUSC801P Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Cleveland Page	Seats (Total: 10)
	Th 2:00pm - 4:30pm	PAC 2126

MUSC801V **Advanced Seminar in Music Pedagogy**

MUSC801V Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Martha Randall	Seats (Total: 15)
	W 3:00pm - 5:30pm	Location: TBA

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC812 **Doctoral Opera Techniques II**

MUSC812 Doctoral Opera Techniques II; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC811 and permission of department. Credit will be granted for only one of the following: MUSC612 or MUSC812. Continuation of MUSC811. Techniques for opera preformance: Scene Study II; Acting II; Movement II: Stage Combat I; and Mask; and methodology seminar.

0101	Leon Major	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC814 **Doctoral Opera Techniques IV**

MUSC814 Doctoral Opera Techniques IV; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC813 and permission of department. Credit will be granted for only one of the following: MUSC614 or MUSC814. Continuation of MUSC813. Techniques for opera performance: Scene Study IV; Dance II; Movement IV; and methodology seminar.

0101	Leon Major	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC831C **Doctoral Seminar in Music Literature**

MUSC831C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 830 or permission of instructor. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC831S **Doctoral Seminar in Music Literature**

MUSC831S Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 830 or permission of instructor. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	Kenneth Slowik	Seats (Total: 15)
	M 9:00am - 12:00pm	PAC 2126
0201	Sarah Fuller	Seats (Total: 1)
	Contact instructor or department for details.	

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC 830 or permission of instructor. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Spring 2012

NACS600 **Ethics in Scientific Research**

NACS600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.

Prerequisite: Completion of one year of graduate study. Corequisite: Permission of instructor. For NACS majors only. Also offered as PSYC788B. Credit will be granted for only one of the following: ZOOL600, NACS728F, PSYC788B, BIOL600. Formerly NACS728F. Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as PSYC788B and BIOL600.

0101	Arthur Popper, Cynthia Moss W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1 credit) Grade Method: REG.

0101	Ricardo Araneda F 10:15am - 11:15am	Seats (Total: 20) BRB 1103

NACS642 **Cognitive and Computational Neuroscience**

NACS642 Cognitive and Computational Neuroscience; (4 credits) Grade Method: REG/AUD.

A study of the fundamental concepts and techniques of cognitive and computation nueroscience. Recurring themes in the field such as face recognition, learning, and language are examined.

0101	Donald Bolger TuTh 1:30pm - 3:30pm	Seats (Total: 15) HBK 0123

NACS643 **Computational Neuroscience**

NACS643 Computational Neuroscience; (4 credits) Grade Method: REG/AUD. *Prerequisite: NACS641 and calculus or permission of instructor. Credit will be granted for only one of the following: NACS643 or NACS728N. Formerly NACS728N.* Provides a mathematical foundation in computational neuroscience. Use of a computer with MATLAB will be required for the homework assignments.

0101	Daniel Butts	Seats (Total: 20)
	MW 12:00pm - 1:50pm	PLS 1115

NACS644 **Cellular and Molecular Neuroscience**

NACS644 Cellular and Molecular Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641 or permission of instructor. Credit will be granted for only one of the following: NACS644 or NACS728Z. Overview of insights into the molecular mechanisms underlying the structure and function of the nervous system.

0101	Elizabeth Quinlan	Seats (Total: 20)
	TuTh 3:30pm - 5:30pm	PLS 1113

NACS728D **Selected Topics in Neuroscience and Cognitive Science; Developmental Cognitive Neuroscience**

NACS728D Selected Topics in Neuroscience and Cognitive Science: Developmental Cognitive Neuroscience; (3 credits) Grade Method: REG/AUD. For PSYC and NACS majors only; other students require department permission. Also offered as PSYC757. Credit will be granted for only one of the following: NACS728D or PSYC757. Developmental cognitive neuroscience investigates the relations between neural and cognitive development. This course provides an overview of current research questions, methodologies and findings related to neurocognitive development in human infants and children, the role of developmental plasticity, and atypical outcomes, such as those observed in neurodevelopmental disorders.

0101	Tracy Riggins	Seats (Total: 10)
	M 9:30am - 12:00pm	BPS 1103

NACS728G **Selected Topics in Neuroscience and Cognitive Science; Special Topics in Developmental Psychology**

NACS728G Selected Topics in Neuroscience and Cognitive Science: Special Topics in Developmental Psychology; (3 credits) Grade Method: REG/AUD.
Also offered as PSYC789R.

0101	Jonathan Beier Tu 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA	

NACS728K **Selected Topics in Neuroscience and Cognitive Science; Advanced Seminar in Neurological Basis of Human Communication**

NACS728K *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Advanced Seminar in Neurological Basis of Human Communication; (3 credits)** Grade Method: REG/AUD.
Also offered as HESP422 and HESP602.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 40) SKN 0104	

NACS728Q **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

NACS728Q *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/AUD.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0401	David Yager MW 9:00am - 9:50am Th 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Spring 2012

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Wen Hsing Cheng MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 0103	Discussion
0102	Wen Hsing Cheng MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0120	Discussion
0103	Wen Hsing Cheng MW 11:00am - 11:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 JMZ 0103	Discussion
0104	Wen Hsing Cheng MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 JMZ 0120	Discussion

0105	Wen Hsing Cheng MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 COL 0113	Discussion
0106	Wen Hsing Cheng MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 1215	Discussion
0107	Wen Hsing Cheng MW 11:00am - 11:50am Th 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 JMZ 3203	Discussion
0108	Wen Hsing Cheng MW 11:00am - 11:50am W 12:00pm - 12:50pm *Section 0108 is recommended for majors only.*	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0109	Wen Hsing Cheng MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 JMZ 0103	Discussion
0110	Wen Hsing Cheng MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0111	Wen Hsing Cheng MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 1120	Discussion
0112	Wen Hsing Cheng MW 11:00am - 11:50am Tu 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 JMZ 2120	Discussion
0113	Wen Hsing Cheng MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0118	Discussion
0114	Wen Hsing Cheng MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 JMZ 0118	Discussion

0115	Wen Hsing Cheng MW 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 0118	 Discussion
0116	Wen Hsing Cheng MW 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 0118	 Discussion
0117	Wen Hsing Cheng MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0111	 Discussion
0118	Wen Hsing Cheng MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 JMZ 0122	 Discussion

NFSC315 **Nutrition During the Life Cycle**

NFSC315 Nutrition During the Life Cycle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC100 or NFSC200. Formerly NUTR315. A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

0101	Robert Jackson TuTh 2:00pm - 3:15pm	Seats (Total: 101) HJP 0226	

NFSC350 **Foodservice Operations**

NFSC350 Foodservice Operations; (5 credits) Grade Method: REG.
Prerequisite: BSCI223, BMGT364 and permission of department. For Dietetics majors only. Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Udahogora TuTh 2:00pm - 3:15pm Tu 8:00am - 1:30pm	Seats (Total: 8) SKN 0101 MMH 3108	 Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

NFSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

1301	Qin Wang	Seats (Total: 10)
	Contact instructor or department for details.	

NFSC398 **Seminar**

NFSC398 Seminar; (1 credit) Grade Method: REG.
FDSC majors only.

0101	Qin Wang	Seats (Total: 15)
	Th 9:30am - 10:45am	SKN 0101

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC414 **Mechanics of Food Processing**

NFSC414 Mechanics of Food Processing; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS121. Credit will be granted for only one of the following: ENBE414 or NFSC414. Formerly ENBE414. Applications in the processing and preservation of foods, of power transmission, hydraulics, electricity, thermodynamics, refrigeration, instruments and controls, materials handling and time and motion analysis. Also offered as NFSC679E.

0101	Yangming Lo	Seats (Total: 20)	
	MW 10:00am - 10:50am F 1:00pm - 4:00pm	MMH 0108 SYM 0115	Lab

NFSC430 **Food Microbiology**

NFSC430 Food Microbiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI233 or equivalent. Also offered as ANSC430. Credit will be granted for only one of the following: ANSC430. Formerly FDSC430. A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods. Also offered as NFSC679M.

0101	Robert Buchanan	Seats (Total: 40)	
	MW 11:00am - 12:15pm	HJP 1125	

NFSC431 **Food Quality Control**

NFSC431 Food Quality Control; (4 credits) Grade Method: REG/P-F/AUD.
Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

0101	Abani Pradhan	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 9:00am - 11:30am	SKN 0101 MMH 3419	Lab

NFSC434 **Food Microbiology Laboratory**

NFSC434 Food Microbiology Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: NFSC430. Also offered as ANSC434. Credit will be granted for only one of the following: NFSC434 or ANSC434. Formerly FDSC434. A study of techniques and procedures used in the microbiological examination of foods.

0101	Robert Buchanan	Seats (Total: 20)	
	TuTh 12:30pm - 4:00pm	MMH 3419	

NFSC450 **Food and Nutrient Analysis**

NFSC450 Food and Nutrient Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: NFSC100 or NFSC200; and BCHM461. Formerly NUTR450.* Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

0101	Thomas Castonguay W 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 13) MMH 3112 MMH 3419	 Lab
0102	Thomas Castonguay W 1:00pm - 1:50pm M 1:00pm - 4:00pm	Seats (Total: 13) MMH 3112 MMH 3419	 Lab

NFSC460 **Medical Nutrition Therapy**

NFSC460 *(PermReq)* **Medical Nutrition Therapy; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: NFSC380, NFSC440 and permission of department. Formerly NUTR460. Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

0101	Margaret Udahogora MW 1:00pm - 2:15pm M 2:30pm - 5:30pm	Seats (Total: 17) PLS 1119 MMH 1304	 Lab
0102	Margaret Udahogora MW 1:00pm - 2:15pm W 2:30pm - 5:30pm	Seats (Total: 17) PLS 1119 MMH 1304	 Lab

NFSC470 **Community Nutrition**

NFSC470 Community Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315 and permission of department. Formerly NUTR470.
Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

0101	Nadine Sahyoun	Seats (Total: 40)	
	MW 11:00am - 11:50am	MMH 0108	
	F 10:00am - 11:50am	MMH 0108	Discussion

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC491 **Issues and Problems in Dietetics**

NFSC491 Issues and Problems in Dietetics; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: NFSC350 and permission of department. Corequisite: NFSC460. Senior standing. For DIET majors only. A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

0101	Kathleen Pellechia	Seats (Total: 35)
	MW 8:30am - 10:50am	TYD 1132

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC611 **Molecular Nutrition: Genomic, Metabolic, and Health Aspects**

NFSC611 Molecular Nutrition: Genomic, Metabolic, and Health Aspects; (2 credits) Grade Method: REG/AUD.
Recommended: BCHM461, BCHM463, or NFSC440. The emerging discipline of molecular nutrition encompasses nutritional biochemistry, nutritional genomics, nutritional metabolomics, and epigenetics. It focuses on the effects of diet and nutrients on an individual's genome and metabolism, and how the molecular events affect human health. This is a co-taught course together with National Taiwan University via videoconferencing.

0101	Wen Hsing Cheng	Seats (Total: 20)
	MW 7:00pm - 8:25pm	SYM 0118

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC679E **Selected Topics in Food Science; Mechanics of Food Processing**

NFSC679E Selected Topics in Food Science: Mechanics of Food Processing; (4 credits) Grade Method: REG.
Also offered as NFSC414.

0101	Yangming Lo MW 10:00am - 10:50am F 1:00pm - 4:00pm	Seats (Total: 10) MMH 0108 SYM 0115	 Lab

NFSC679M **Selected Topics in Food Science; Food Microbiology**

NFSC679M Selected Topics in Food Science: Food Microbiology; (3 credits) Grade Method: REG.
Also offered as NFSC430.

0101	Robert Buchanan MW 11:00am - 12:15pm	Seats (Total: 40) HJP 1125

NFSC688 **Seminar in Nutrition and Food Science**

NFSC688 Seminar in Nutrition and Food Science; (1-3 credits) Grade Method: REG/AUD.

0101	Qin Wang W 12:00pm - 12:50pm	Seats (Total: 25) SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NIAV National Institute of Aeronautics - Univ of VA Spring 2012

NIAV788W **Advanced Topics; Statistics for Engineers and Scientists**

NIAV788W Advanced Topics: Statistics for Engineers and Scientists; (3 credits) Grade Method: REG.

TV01	Sung Lee	Seats (Total: 20)
	Contact instructor or department for details.	

PERS Persian Spring 2012

PERS102 **Elementary Persian II**

PERS102 Elementary Persian II; (4 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Prerequisite: PERS101 or equivalent; or appropriate Foreign Language Placement Testing (FLPT) score. Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

0101	Delaram Soltani	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3203
	Tu 10:00am - 10:50am	JMZ 0120

PERS202 **Intermediate Persian II**

PERS202 Intermediate Persian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of Persian. Prerequisite: PERS201 or equivalent or appropriate Foreign Language Placement Testing (FLPT) score. Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

0101	Delaram Soltani MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 2206

PERS212 **Intermediate Reading in Persian**

PERS212 Intermediate Reading in Persian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS201 and PERS211 or appropriate Foreign Language Placement Testing (FLPT) score. Corequisite: PERS202 or appropriate Foreign Language Placement Testing (FLPT) score. Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

0101	Delaram Soltani MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 2117

PERS302 **Advanced Persian II**

PERS302 Advanced Persian II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Persian. Prerequisite: PERS301 or equivalent. Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

0101	Ahmad Karimi-Hakkak TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 1117

PERS312 **Contemporary Iranian Culture**

PERS312 Contemporary Iranian Culture; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Persian. Prerequisite: PERS301 or equivalent. Study of the culture of contemporary Iran (post-evolution) with focus on the contemporary social, political, literary and artistic life in Iran. Taught in Persian.

0101	Bahareh Jalehmahmoudi MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 15) JMZ 2206 JMZ 0205

PERS353 **Iranian Life in Literature and Film**

PERS353 Iranian Life in Literature and Film; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Treats major themes in modern literature and life of Iranians. Topics examined include Iranian identity, religious traditions, modern life, and expatriate communities. Taught in English.

0101	Ahmad Karimi-Hakkak	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

PERS386 **Experiential Learning**

PERS386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department and project proposal approved by faculty and internship sponsor. Junior standing.

Contact department for information to register for this course.

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
This course/section is restricted to students in the Persian Flagship Gr aduate Program.

Contact department for information to register for this course.

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS632 **Film and Popular Culture in the Persian-speaking World**

PERS632 Film and Popular Culture in the Persian-speaking World; (3 credits) Grade Method: REG/AUD.
Study of socio-cultural, political and identity issues in the Persian-speaking world as seen through visual media, primarily film. In Persian. This course/section is restricted to students in the Persian Flagship Gr aduate Program.

PC01	Nahal Akbari-Saneh W 10:00am - 1:00pm	Seats (Total: 18) SQH 2114
PC02	Nahal Akbari-Saneh Tu 10:00am - 1:00pm	Seats (Total: 10) SQH 2114

PERS642 **Political Issues in Contemporary Iran**

PERS642 Political Issues in Contemporary Iran; (3 credits) Grade Method: REG/AUD.
Analysis of current political context in Iran; impact of modernization and westernization. In Persian. This course/section is restricted to students in the Persian Flagship Gr aduate Program.

PC01	Elahe Amiri M 10:00am - 1:00pm	Seats (Total: 18) SQH 2114
PC02	Elahe Amiri Tu 10:00am - 1:00pm	Seats (Total: 10) SQH 2123

PERS672 **Persian Culture and Commerce**

PERS672 Persian Culture and Commerce; (3 credits) Grade Method: REG/AUD.
Major issues in Iranian business culture; relations between state and private sector; effects of globalization. In Persian. This course/section is restricted to students in the Persian Flagship Gr aduate Program.

PC01	Hadi Golkar M 10:00am - 1:00pm	Seats (Total: 15) Location: TBA
PC02	Hadi Golkar W 10:00am - 1:00pm	Seats (Total: 18) SQH 2123

PERS689B **Special Topics in Persian Studies; Introduction to Research in Persian Studies**

PERS689B Special Topics in Persian Studies: Introduction to Research in Persian Studies; (3 credits) Grade Method: REG/AUD.
This section is only open to students in the Persian Language program. Click here for more course information.

PC01	Mahsa Moussavi F 10:00am - 1:00pm	Seats (Total: 18) SQH 2114	

PHIL Philosophy Spring 2012

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Paul Pietroski TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) BPS 1250 WDS 0104	Discussion
0102	Paul Pietroski TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) BPS 1250 SQH 1117	Discussion
0103	Paul Pietroski TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) BPS 1250 SKN 1112	Discussion
0104	Paul Pietroski TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 SKN 1115	Discussion
0105	Paul Pietroski TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 SQH 1103	Discussion

0106	Paul Pietroski TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 TLF 1101	Discussion
0201	Melissa Ebbers MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) KEY 0106 SQH 1101	Discussion
0202	Melissa Ebbers MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) KEY 0106 SKN 1115	Discussion
0203	Melissa Ebbers MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 24) KEY 0106 SQH 1101	Discussion
0204	Melissa Ebbers MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 SQH 1103	Discussion
0205	Melissa Ebbers MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 SQH 1121	Discussion
0206	Melissa Ebbers MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 SQH 1103	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Samuel Kerstein TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 24) SKN 0200 HBK 0109	Discussion

0102	Samuel Kerstein TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 24) SKN 0200 HBK 1108	Discussion
0103	Samuel Kerstein TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 24) SKN 0200 HBK 0108	Discussion
0104	Samuel Kerstein TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 24) SKN 0200 HBK 0105	Discussion
0105	Samuel Kerstein TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 24) SKN 0200 BPS 1234	Discussion
0106	Samuel Kerstein TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 24) SKN 0200 BPS 1236	Discussion
0107	Samuel Kerstein TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 24) SKN 0200 BPS 1236	Discussion
0108	Samuel Kerstein TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 24) SKN 0200 BPS 1236	Discussion
0109	Samuel Kerstein TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 24) SKN 0200 HBK 0123	Discussion
0201	Peter Carruthers MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 HBK 0115	Discussion
0202	Peter Carruthers MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 HBK 1108	Discussion

0203	Peter Carruthers MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 HBK 1112	Discussion
0204	Peter Carruthers MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 BPS 1236	Discussion
0205	Peter Carruthers MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 BPS 1238	Discussion
0206	Peter Carruthers MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 HBK 1108	Discussion

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 SQH 1121	Discussion
0102	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 SQH 1121	Discussion
0103	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 SQH 1105	Discussion
0104	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 SKN 0104	Discussion

0105	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 SQH 1121	Discussion
0106	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 SQH 1117	Discussion
0107	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 SQH 1117	Discussion
0108	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 SQH 1119	Discussion
0109	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 SQH 1117	Discussion

PHIL170H **Introduction to Logic**

PHIL170H Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns. This H version will proceed at an accelerated pace and consider some topics in greater depth.

0101	Allen Stairs MW 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 26) SKN 1115 ONLINE	Discussion

PHIL209B **Investigating Darwin's Dangerous Idea**

PHIL209B Investigating Darwin's Dangerous Idea; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Places Darwin in historical context, then follows the fate of his theory of evolution, tracing the relation of theory and evidence and examining the theory's cultural implications.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Lindley Darden TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 HJP 1125	 Discussion
0102	Lindley Darden TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 HJP 1125	 Discussion
0103	Lindley Darden TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 HJP 1125	 Discussion

PHIL209J **Philosophical Issues: The Rights and Wrongs of Killing People**

PHIL209J Philosophical Issues: The Rights and Wrongs of Killing People; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Is it ever permissible to kill an innocent human being intentionally? Why is (unjust) killing wrong? What makes it wrong? What implications doour answers have for war, the beginnings and ends of lives, punishment, saving people from starvation?
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 CSS 0201	 Discussion
0102	Christopher Morris TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 CSS 0201	 Discussion

0103	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 CSS 0201	Discussion

PHIL209M **Philosophical Issues; Moral Philosophy**
Contact department for information to register for this course.

PHIL209X **Philosophical Issues; Philosophy of Language and Logic**
Contact department for information to register for this course.

PHIL209Z **Philosophical Issues; Introduction to Continental Philosophy**
Contact department for information to register for this course.

PHIL233 **Philosophy in Literature**

PHIL233 Philosophy in Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

0101	Jerrold Levinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 ARM 0121	Discussion
0102	Jerrold Levinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0117 HJP 1125	Discussion
0103	Jerrold Levinson MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 LEF 1220	Discussion

PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as RELS236. Credit will be granted for only one of the following: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Allen Stairs MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 EDU 1107	 Discussion
0102	Allen Stairs MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 SYM 0209	 Discussion
0103	Allen Stairs MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TLF 1101	 Discussion

PHIL245 **Political and Social Philosophy I**

PHIL245 Political and Social Philosophy I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Dan Moller TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 PLS 1117	 Discussion
0102	Dan Moller TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 PLS 1111	 Discussion
0103	Dan Moller TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 HBK 0105	 Discussion

PHIL261 **Philosophy of the Environment**

PHIL261 Philosophy of the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed HONR218f. Credit will be granted for only one of the following: HONR218F or PHIL261. Formerly HONR218F. An evaluation of different kinds of arguments for the claim that the natural environment should be preserved. Perspectives cut across the disciplines of philosophy (environmental ethics and philosophies of nature); economics (cost-benefit analysis); and biology (evolution, ecology, environmental studies).

0101	Mark Engelbert MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) PLS 1130 EDU 1121	 Discussion
0102	Mark Engelbert MW 11:00am - 11:50am F 12:00pm - 1:00pm	Seats (Total: 25) PLS 1130 ASY 3211	 Discussion
0103	Mark Engelbert MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1130 ASY 3207	 Discussion

PHIL308A **Studies in Contemporary Philosophy; Imagination and Make-Believe**

PHIL308A Studies in Contemporary Philosophy: Imagination and Make-Believe; (3 credits) Grade Method: REG/P-F/AUD.
A philosophical exploration of imagination and make-believe, including why we imagine, why we pretend, why we read fiction and see fictional movies (including horror, tragedy, and immoral fiction), identification with characters, and our emotional responses to make-believe.

0101	Elizabeth Picciuto MW 3:30pm - 4:45pm	Seats (Total: 25) ASY 3219	

PHIL308R **Studies in Contemporary Philosophy; Moral Philosophy and Psychology**

PHIL308R Studies in Contemporary Philosophy: Moral Philosophy and Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six hours of philosophy course work. Examines the bases of moral thought and motivation. Covers historical and contemporary work by philosophers and psychologists on the role played in moral judgment by reason, emotion, intuition, character, and circumstances.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 25) SQH 1120 PLS 1111	Discussion
0102	Patricia Greenspan TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 25) SQH 1120 PLS 1117	Discussion
0103	Patricia Greenspan TuTh 12:30pm - 1:20pm W 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 PLS 1111	Discussion

PHIL308W **Studies in Contemporary Philosophy; World Philosophy**

PHIL308W Studies in Contemporary Philosophy: World Philosophy; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as RELS319W.

0101	James Maffie MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 SQH 1119	Discussion
0102	James Maffie MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 SKN 1115	Discussion
0103	James Maffie MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 1115	Discussion

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**
Contact department for information to register for this course.

PHIL320 **Modern Philosophy**

PHIL320 Modern Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Charles Manekin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 KNI 1105	Discussion
0102	Charles Manekin MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 WDS 1130	Discussion
0103	Charles Manekin MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 WDS 1130	Discussion

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG.
Prerequisite: six credit hours in philosophy. Junior standing. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Samuel Kerstein TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 PLS 1111	Discussion
0102	Samuel Kerstein TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TLF 1103	Discussion
0103	Samuel Kerstein TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 TLF 1103	Discussion

PHIL347 **Philosophy of Law**

PHIL347 Philosophy of Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credit hours in philosophy. Credit will be granted for only one of the following: PHIL347 or PHIL447. Formerly PHIL447. Examination of fundamental concepts related to law, e.g. legal systems, law and morality, justice, legal reasoning, responsibility.

0101	Ryan Fanselow MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 PLS 1113	Discussion
0102	Ryan Fanselow MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 PLS 1113	Discussion
0103	Ryan Fanselow MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SYM 0200 HBK 0105	Discussion

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in philosophy, one of which must be PHIL170, PHIL173, or PHIL370; or permission of department. Also offered as LING350. Credit will be granted for only one of the following: LING350 or PHIL360. An inquiry into the nature and function of language and other forms of symbolism.

0101	Alexander Williams TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1115

PHIL364 **Metaphysics**

PHIL364 Metaphysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL464. Formerly PHIL464. The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Michael Morreau TuTh 11:00am - 12:15pm	Seats (Total: 30) SKN 1115

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408D **Topics in Contemporary Philosophy; Capitalism and Justice**

PHIL408D Topics in Contemporary Philosophy: Capitalism and Justice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six hours of philosophy course work. Examines the nature of distributive justice by taking up the classic defense of liberalism by Rawls and then turning to Nozick's libertarian response. Considers international justice, whether global capitalism exploits the poor, whether markets ultimately benefit the worst off. Students should contact the instructor for more information about the contents or prerequisites.

0101	Dan Moller	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SKN 1115

PHIL408J **Topics in Contemporary Philosophy; The Evolution of Human Language**

PHIL408J Topics in Contemporary Philosophy: The Evolution of Human Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six hours of philosophy course work. Under the assumption that natural language is an evolved biological trait unique to humans, this course examines various theories of the evolutionary origins of language from the perspective of both science and philosophy.

0101	Kent Erickson	Seats (Total: 25)
	M 4:00pm - 6:30pm	SKN 1115

PHIL408L **Topics in Contemporary Philosophy; Philosophy of Probability**

PHIL408L Topics in Contemporary Philosophy: Philosophy of Probability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six hours of philosophy course work. Examines the philosophical foundations of probability theory. Covers debates about Bayesianism and Frequentism, how to understand probability in the different sciences and daily life, and various probability paradoxes.

0101	Aidan Lyon	Seats (Total: 25)
	M 6:30pm - 9:00pm	SKN 1115

PHIL408O **Topics in Contemporary Philosophy; Morality and Cognitive Science**

PHIL408O *(PermReq)* **Topics in Contemporary Philosophy: Morality and Cognitive Science; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Dwyer	Seats (Total: 15)
	M 3:30pm - 6:00pm	SKN 1116

PHIL408Q **Topics in Contemporary Philosophy; Wisdom**

PHIL408Q Topics in Contemporary Philosophy: Wisdom; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: six hours of philosophy course work or permission of the instructor. Investigates what wisdom is and what has been said in various traditions and genres about the nature of wisdom. Considers what could be the moste authentic response to the human condition and the nature of the universe.

0101	Joel Gibson	Seats (Total: 25)
	MW 3:30pm - 4:45pm	KEY 0123

PHIL408Y **Topics in Contemporary Philosophy; Philosophy of Science II**
Contact department for information to register for this course.

PHIL414 **The Philosophy of Aristotle**

PHIL414 The Philosophy of Aristotle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three courses in philosophy. A critical study of selected portions of Aristotle's writings.

0101	Rachel Singpurwalla TuTh 12:30pm - 1:45pm	Seats (Total: 25) SKN 1115

PHIL426 **Twentieth Century Analytic Philosophy**

PHIL426 Twentieth Century Analytic Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. Credit will be granted for only one of the following: PHIL326 or PHIL426. Formerly PHIL326. Major issues in twentieth century analytic philosophy examined through such philosophers as Frege, Russell, Carnap, Moore and Wittgenstein.

0101	Michael Morreau TuTh 2:00pm - 3:15pm	Seats (Total: 20) SKN 1116

PHIL431 **Aesthetic Theory**

PHIL431 Aesthetic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine credits in philosophy or permission of department. Study of the theory of the aesthetic as a mode of apprehending the world and of the theory of criticism, its conceptual tools and intellectual presuppositions.

0101	Jerrold Levinson MW 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115

PHIL458B **Topics in the Philosophy of Science; History and Philosophy of Modern Biology**

PHIL458B Topics in the Philosophy of Science: History and Philosophy of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six hours of philosophy course work. Credit will be given for only one of the following: HIST404, PHIL458B or PHIL688B.

0101	Lindley Darden TuTh 3:30pm - 4:45pm	Seats (Total: 15) SKN 1115

PHIL482 **Philosophy of Psychology: Subjectivity**

PHIL482 Philosophy of Psychology: Subjectivity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy; one of which must be PHIL280 or PHIL366. The nature of subjectivity: problems of "point of view," the "qualities" or "feel" of things, emotions, consciousness - whether these phenomena can be captured by a computational theory of mind.

0101	Peter Carruthers	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SKN 1112

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498Z **Topical Investigations; Realism and Idealism**
Contact department for information to register for this course.

PHIL640 **Value Theory**

PHIL640 Value Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Patricia Greenspan	Seats (Total: 20)
	Th 3:30pm - 6:00pm	SKN 1116

PHIL688B **Selected Problems in Philosophy; History and Philosophy of Modern Biology**

PHIL688B Selected Problems in Philosophy: History and Philosophy of Modern Biology; (1-3 credits) Grade Method: REG/AUD.
Credit will be given for only one of the following: HIST404, PHIL458B or PHIL688B.

0101	Lindley Darden TuTh 3:30pm - 4:45pm	Seats (Total: 5) SKN 1115

PHIL788 **Research in Philosophy**

PHIL788 Research in Philosophy; (1-6 credits) Grade Method: REG/AUD.

0101	John Brown Contact instructor or department for details.	Seats (Total: 10)
0201	Jeffrey Bub Contact instructor or department for details.	Seats (Total: 10)
0301	Peter Carruthers Contact instructor or department for details.	Seats (Total: 10)
0401	Christopher Cherniak Contact instructor or department for details.	Seats (Total: 10)
0501	Lindley Darden Contact instructor or department for details.	Seats (Total: 10)
0601	Mathias Frisch Contact instructor or department for details.	Seats (Total: 10)
0701	Patricia Greenspan Contact instructor or department for details.	Seats (Total: 10)
0801	John Horty Contact instructor or department for details.	Seats (Total: 10)
0901	Samuel Kerstein Contact instructor or department for details.	Seats (Total: 10)
1001	Erin Eaker Contact instructor or department for details.	Seats (Total: 10)

1101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 10)
1201	Dan Moller Contact instructor or department for details.	Seats (Total: 10)
1301	Charles Manekin Contact instructor or department for details.	Seats (Total: 10)
1401	Susan Dwyer Contact instructor or department for details.	Seats (Total: 10)
1501	Michael Morreau Contact instructor or department for details.	Seats (Total: 10)
1601	Eric Pacuit Contact instructor or department for details.	Seats (Total: 10)
1701	Alexander Williams Contact instructor or department for details.	Seats (Total: 10)
1801	Georges Rey Contact instructor or department for details.	Seats (Total: 10)
1901	Andrew Levine Contact instructor or department for details.	Seats (Total: 10)
2001	Allen Stairs Contact instructor or department for details.	Seats (Total: 10)
2101	Rachel Singpurwalla Contact instructor or department for details.	Seats (Total: 15)
2201	Lars Svenonius Contact instructor or department for details.	Seats (Total: 10)
2301	Aidan Lyon Contact instructor or department for details.	Seats (Total: 10)
2501	Paul Pietroski Contact instructor or department for details.	Seats (Total: 10)
2701	Christopher Morris Contact instructor or department for details.	Seats (Total: 10)

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL828A **Seminar in the History of Philosophy; Aristotle's Nichomachean Ethics**

PHIL828A Seminar in the History of Philosophy: Aristotle's Nichomachean Ethics; (3 credits) Grade Method: REG/AUD.

0101	Rachel Singpurwalla	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	SKN 1116

PHIL858A **Seminar in Logic and Philosophy of Sciences; Modal Logic**

PHIL858A Seminar in Logic and Philosophy of Sciences: Modal Logic; (3 credits) Grade Method: REG/AUD.

0101	Eric Pacuit	Seats (Total: 15)
	Tu 6:00pm - 8:30pm	SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Spring 2012

PHYS102 **Physics of Music**

Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with PHYS103. Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Credit will be granted for only one of the following: PHYS102 and PHYS499C. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Matthew Bobrowsky MWF 11:00am - 11:50am	Seats (Total: 150) PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Suresh Tonwar Th 11:00am - 12:50pm	Seats (Total: 16) PHY 3213	Lab
0201	Suresh Tonwar Th 1:00pm - 2:50pm	Seats (Total: 16) PHY 3213	Lab
0301	Suresh Tonwar Th 3:30pm - 5:20pm	Seats (Total: 16) PHY 3213	Lab
0401	Suresh Tonwar F 9:00am - 10:50am	Seats (Total: 16) PHY 3213	Lab
0501	Suresh Tonwar F 12:00pm - 1:50pm	Seats (Total: 16) PHY 3213	Lab
0601	Suresh Tonwar F 2:00pm - 3:50pm	Seats (Total: 16) PHY 3213	Lab
0701	Suresh Tonwar W 3:00pm - 5:00pm	Seats (Total: 16) PHY 3213	Lab

PHYS104 **How Things Work: Science Foundations**

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. Not open to student who have completed PHYS121 or any higher physics course without departmental permission.
This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0101	Richard Greene TuTh 12:30pm - 1:45pm	Seats (Total: 44) PHY 0405	

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Daniel Lathrop MW 4:15pm - 5:30pm M 12:00pm - 12:50pm	Seats (Total: 9) PHY 1219 MTH 0401	 Discussion
0102	Daniel Lathrop MW 4:15pm - 5:30pm M 1:00pm - 1:50pm	Seats (Total: 9) PHY 1219 PHY 0405	 Discussion
0103	Daniel Lathrop MW 4:15pm - 5:30pm F 12:00pm - 12:50pm	Seats (Total: 9) PHY 1219 PHY 1219	 Discussion

0105	Daniel Lathrop MW 4:15pm - 5:30pm F 3:00pm - 3:50pm	Seats (Total: 11) PHY 1219 PHY 1219	 Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Alan Peel MWF 2:00pm - 2:50pm	Seats (Total: 155) PHY 1410	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106. Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Arthur La Porta M 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	 Lab
0201	Arthur La Porta Tu 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	 Lab
0301	Arthur La Porta Tu 1:00pm - 2:50pm	Seats (Total: 24) PHY 3214	 Lab
0401	Arthur La Porta W 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	 Lab

0501	Arthur La Porta W 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS111 **Physics in the Modern World**

PHYS111 Physics in the Modern World; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.

0101	Chuan Liu MWF 9:00am - 9:50am	Seats (Total: 44) PHY 0405

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Paul Hutchison MTuW 2:00pm - 3:50pm	Seats (Total: 24) PHY 3316
0201	Eric Kuo MTuW 10:00am - 11:50am	Seats (Total: 24) PHY 3316

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. Credit will be granted for only one of the following: PHYS121 or PHYS131. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Giridhar Nandikotkur TuTh 11:00am - 12:15pm Th 9:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0102	Giridhar Nandikotkur TuTh 11:00am - 12:15pm Tu 9:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0103	Giridhar Nandikotkur TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0104	Giridhar Nandikotkur TuTh 11:00am - 12:15pm M 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1402	 Lab Discussion
0105	Giridhar Nandikotkur TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1402	 Lab Discussion
0106	Giridhar Nandikotkur TuTh 11:00am - 12:15pm M 9:00am - 10:50am M 8:00am - 8:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1219	 Lab Discussion

0201	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 10:00am - 11:50am	PHY 3306	Lab
	W 9:00am - 9:50am	PHY 1204	Discussion
0202	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 2:00pm - 2:50pm	PHY 1402	Discussion
0203	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3306	Lab
	M 2:00pm - 2:50pm	PHY 1402	Discussion
0204	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	PHY 1219	Discussion
0205	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 5:00pm - 6:50pm	PHY 3306	Lab
	M 5:00pm - 5:50pm	PHY 1402	Discussion
0206	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 5:00pm - 6:50pm	PHY 3306	Lab
	M 4:00pm - 4:50pm	MTH 0403	Discussion
0301	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	M 11:00am - 12:50pm	PHY 3306	Lab
	M 10:00am - 10:50am	PHY 1219	Discussion
0302	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 1204	Discussion

0303	Satindar Bhagat MWF 3:00pm - 3:50pm Th 12:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1204	 Lab Discussion
0304	Satindar Bhagat MWF 3:00pm - 3:50pm Th 4:00pm - 5:50pm Th 3:00pm - 3:50pm	Seats (Total: 26) PHY 1410 PHY 3306 MTH 0405	 Lab Discussion
0401	Giridhar Nandikotkur Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm Tu 5:00pm - 6:50pm Th 8:00pm - 8:50pm	Seats (Total: 26) PHY 1201 PHY 1201 PHY 3306 PHY 1219	 Lab Discussion
0402	Giridhar Nandikotkur Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm Th 8:00pm - 9:50pm Tu 9:00pm - 9:50pm	Seats (Total: 7) PHY 1201 PHY 1201 PHY 3306 PHY 1219	 Lab Discussion
SES1	Giridhar Nandikotkur Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm Th 8:00pm - 9:50pm Tu 9:00pm - 9:50pm *This section is retricted to SIE majors only.*	Seats (Total: 17) PHY 1201 PHY 1201 PHY 3306 PHY 1219	 Lab Discussion

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Rene Springuel	Seats (Total: 24)	
	MWF 10:00am - 10:50am M 12:00pm - 1:50pm M 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0102	Rene Springuel	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 12:00pm - 1:50pm W 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0103	Rene Springuel	Seats (Total: 24)	
	MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm Tu 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0104	Rene Springuel	Seats (Total: 24)	
	MWF 10:00am - 10:50am Tu 2:00pm - 3:50pm Tu 1:00pm - 1:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0105	Rene Springuel	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 2:00pm - 3:50pm W 1:00pm - 1:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0106	Rene Springuel	Seats (Total: 17)	
	MWF 10:00am - 10:50am Th 8:00am - 9:50am W 2:00pm - 2:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0201	Manuel Tiglio	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm Tu 10:00am - 11:50am Tu 9:00am - 9:50am	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0202	Manuel Tiglio	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm W 3:00pm - 3:50pm	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion

0203	Manuel Tiglio	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 3301	Discussion
0204	Manuel Tiglio	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 9:00am - 10:50am	PHY 3312	Lab
	W 8:00am - 8:50am	PHY 3301	Discussion
0205	Manuel Tiglio	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	Th 3:00pm - 4:50pm	PHY 3312	Lab
	Th 2:00pm - 2:50pm	PHY 3301	Discussion
0301	Rene Springuel	Seats (Total: 9)	
	MWF 9:00am - 9:50am	PHY 1410	
	Th 10:00am - 11:50am	PHY 3312	Lab
	Th 9:00am - 9:50am	PHY 3301	Discussion
0302	Rene Springuel	Seats (Total: 21)	
	MWF 9:00am - 9:50am	PHY 1410	
	Th 12:00pm - 1:50pm	PHY 3312	Lab
	Th 11:00am - 11:50am	PHY 3301	Discussion
0303	Rene Springuel	Seats (Total: 22)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 2:00pm - 3:50pm	PHY 3312	Lab
	M 1:00pm - 1:50pm	PHY 3301	Discussion
0304	Rene Springuel	Seats (Total: 6)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 10:00am - 11:50am	PHY 3312	Lab
	W 4:00pm - 4:50pm	PHY 3301	Discussion
0501	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 6:00pm - 7:50pm	PHY 3312	Lab
	W 5:00pm - 5:50pm	PHY 3301	Discussion

0502	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3312	Lab
	Tu 4:00pm - 4:50pm	PHY 3301	Discussion
0503	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	M 7:00pm - 8:50pm	PHY 3312	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion
0504	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 8:00pm - 9:50pm	PHY 3312	Lab
	W 7:00pm - 7:50pm	PHY 3301	Discussion
0505	David Buehrle	Seats (Total: 3)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3312	Lab
	Tu 9:00pm - 9:50pm	PHY 1402	Discussion
SES1	David Buehrle	Seats (Total: 20)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3312	Lab
	Tu 9:00pm - 9:50pm	PHY 1402	Discussion
SG91	George Sherwood	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BLD2 2032	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission. Friday Lab meets at Rockville Campus, Montgomery County.		

PHYS132 Fundamentals of Physics for Biologists II

PHYS132 Fundamentals of Physics for Biologists II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130 and MATH131 or equivalent; BSCI105 and BSCI106 or equivalent; CHEM131 or equivalent; and PHYS131 or equivalent. Credit will be granted for only one of the following: PHYS122 or PHYS132. The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers oscillations, waves, sound and light, and electricity and magnetism.

0101	Edward Redish	Seats (Total: 18)	
	MWF 10:00am - 10:50am	PHY 1402	
	Th 5:00pm - 6:50pm	PHY 3312	Lab
	Th 4:00pm - 4:50pm	PHY 3301	Discussion

PHYS132H **Fundamentals of Physics for Biologists II**

PHYS132H Fundamentals of Physics for Biologists II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130 and MATH131 or equivalent; BSCI105 and BSCI106 or equivalent; CHEM131 or equivalent; and PHYS131 or equivalent. Credit will be granted for only one of the following: PHYS122 or PHYS132. The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers oscillations, waves, sound and light, and electricity and magnetism. Students will be required to complete a term paper and will receive honors credit.

0101	Edward Redish	Seats (Total: 2)	
	MWF 10:00am - 10:50am	PHY 1402	
	Th 5:00pm - 6:50pm	PHY 3312	Lab
	Th 4:00pm - 4:50pm	PHY 3301	Discussion

PHYS141 **Principles of Physics**

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Rabindra Mohapatra MWF 1:00pm - 1:50pm Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	Seats (Total: 24) PHY 1402 PHY 3314 CHM 0124	 Lab Discussion
0102	Rabindra Mohapatra MWF 1:00pm - 1:50pm Th 11:00am - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 24) PHY 1402 PHY 3314 MTH 0307	 Lab Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261, or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics Clinic, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Arpita Upadhyaya MWF 11:00am - 11:50am M 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 23) PHY 1201 PHY 3314 MTH 0104	 Lab Discussion

0102	Arpita Upadhyaya MWF 11:00am - 11:50am M 3:00pm - 4:50pm M 2:00pm - 2:50pm	Seats (Total: 23) PHY 1201 PHY 3314 MTH 0405	 Lab Discussion
0103	Arpita Upadhyaya MWF 11:00am - 11:50am Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 22) PHY 1201 PHY 3314 COL 0102	 Lab Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Darayash Tata TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0102	Darayash Tata TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0105	 Discussion
0103	Darayash Tata TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0104	Darayash Tata TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 0405	 Discussion
0105	Darayash Tata TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion

0106	Darayash Tata TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH 0304	Discussion
0107	Darayash Tata TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0101	Discussion
0201	Daniel Hertz MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0307	Discussion
0202	Daniel Hertz MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0305	Discussion
0203	Daniel Hertz MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0305	Discussion
0204	Daniel Hertz MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0205	Daniel Hertz MWF 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0206	Daniel Hertz MWF 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0301	Darayash Tata MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0302	Darayash Tata MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1204	Discussion

0303	Darayash Tata MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0304	Darayash Tata MWF 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0305	Darayash Tata MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1402	 Discussion
0306	Darayash Tata MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion
0307	Darayash Tata MWF 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion
0401	Darayash Tata M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion
0402	Darayash Tata M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion
0403	Darayash Tata M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion

PHYS165 Introduction to Programming in the Physical Sciences

PHYS165 Introduction to Programming in the Physical Sciences; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141, PHYS161 or PHYS171; or 3-5 on AP PHYS exam.
Introduction to programming using examples in the physical sciences. Provides instruction in the techniques of upper-level languages such as Fortran, C, and Pascal, as well as an introduction to the object oriented programming techniques used in Python, C++ and Java. Includes strong component of visualization and graphing.

0101	Michelle Girvan	Seats (Total: 26)
	MWF 10:00am - 10:50am	PLS 1129

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

0101	Ki-Yong Kim	Seats (Total: 50)
	MF 10:00am - 10:50am	PHY 1204
	TuTh 10:00am - 10:50am	PHY 1204

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Gary Pennington W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0201	Gary Pennington W 3:00pm - 4:50pm	Seats (Total: 14) PHY 3115	Lab
0301	Gary Pennington W 1:00pm - 2:50pm	Seats (Total: 14) PHY 3115	Lab
0401	Gary Pennington Th 11:00am - 12:50pm	Seats (Total: 14) PHY 3115	Lab
0501	Gary Pennington Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0601	Gary Pennington F 1:00pm - 2:50pm	Seats (Total: 14) PHY 3115	Lab

PHYS199M **The Manhattan Project**

PHYS199M The Manhattan Project; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This course explores the development of the atomic bomb during the Manhattan project. Nuclear Physics is introduced in a historical context from the discovery of radioactivity in 1896 to the discovery of nuclear fission in Germany in 1938; this historical approach allows students to understand how scientific knowledge is built up over time.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Thomas Cohen MW 4:00pm - 5:15pm M 11:00am - 11:50am	Seats (Total: 20) PHY 1410 PHY 1402	Discussion
0102	Thomas Cohen MW 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1410 PHY 1304	Discussion

0103	Thomas Cohen MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 20) PHY 1410 PHY 1204	Discussion
0104	Thomas Cohen MW 4:00pm - 5:15pm W 12:00pm - 12:50pm	Seats (Total: 20) PHY 1410 PHY 1402	Discussion

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261, or PHYS272.
Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	James Lavine MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 30) PHY 1410 PHY 0405	Discussion
0102	James Lavine MWF 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1410 MTH 0101	Discussion
0103	James Lavine MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) PHY 1410 MTH 0307	Discussion
0201	Sharon Roosevelt TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 0405	Discussion

0202	Sharon Roosevelt TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 0405	Discussion
0203	Sharon Roosevelt TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0205	Sharon Roosevelt TuTh 12:30pm - 1:45pm Tu 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0101	Discussion
0301	Daniel Hertz MWF 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 30) PHY 1412 MTH 0302	Discussion
0302	Daniel Hertz MWF 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1201	Discussion
0303	Daniel Hertz MWF 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	George Goldenbaum W 5:00pm - 7:50pm	Seats (Total: 25) PHY 3219	Lab
0102	George Goldenbaum M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	Lab

0103	George Goldenbaum M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0104	George Goldenbaum Tu 2:00pm - 4:50pm	Seats (Total: 25) PHY 3219	Lab
0105	George Goldenbaum Tu 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0106	George Goldenbaum Tu 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab
0107	George Goldenbaum W 11:00am - 1:50pm	Seats (Total: 25) PHY 3219	Lab
0108	George Goldenbaum W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0109	George Goldenbaum Th 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0110	George Goldenbaum Th 3:00pm - 5:50pm	Seats (Total: 25) PHY 3219	Lab
0111	George Goldenbaum Th 6:00pm - 8:50pm	Seats (Total: 25) PHY 3219	Lab
0112	George Goldenbaum M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	George Goldenbaum Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Thomas Antonsen MWF 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0106	 Discussion
0102	Thomas Antonsen MWF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH 0302	 Discussion
0103	Thomas Antonsen MWF 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 34) PHY 1412 MTH B0421	 Discussion
0104	Thomas Antonsen MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 0405	 Discussion
0201	Min Ouyang MWF 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1402	 Discussion

0202	Min Ouyang MWF 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1402	 Discussion
0203	Min Ouyang MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) PHY 1410 MTH 0411	 Discussion
0204	Min Ouyang MWF 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 30) PHY 1410 MTH 0403	 Discussion
0205	Min Ouyang MWF 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 30) PHY 1410 PHY 1204	 Discussion
0301	Hailu Gebremariam TuTh 2:00pm - 3:15pm Th 8:00am - 8:50am	Seats (Total: 30) PHY 1410 PHY 1204	 Discussion
0302	Hailu Gebremariam TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 30) PHY 1410 MTH 0103	 Discussion
0303	Hailu Gebremariam TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) PHY 1410 MTH 0405	 Discussion
0304	Hailu Gebremariam TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1410 MTH B0423	 Discussion
0305	Hailu Gebremariam TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 30) PHY 1410 PHY 0405	 Discussion
0401	Hsing-Hen Chen M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1201 PHY 1201 PHY 0405	 Discussion

0402	Hsing-Hen Chen M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1201 PHY 1201 PHY 0405	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	George Goldenbaum M 9:00am - 11:50am	Seats (Total: 24) PHY 3220	 Lab
0102	George Goldenbaum M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	George Goldenbaum M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0104	George Goldenbaum Tu 8:00am - 10:50am	Seats (Total: 25) PHY 3220	 Lab
0105	George Goldenbaum M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	George Goldenbaum Tu 11:00am - 1:50pm	Seats (Total: 25) PHY 3220	 Lab
0107	George Goldenbaum Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	 Lab
0108	George Goldenbaum W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3220	 Lab

0109	George Goldenbaum Th 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	Lab
0110	George Goldenbaum W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0111	George Goldenbaum Th 9:00am - 11:50am	Seats (Total: 25) PHY 3220	Lab
0112	George Goldenbaum Th 1:00pm - 3:50pm	Seats (Total: 25) PHY 3220	Lab
0113	George Goldenbaum Th 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0114	George Goldenbaum Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0115	George Goldenbaum W 8:00am - 10:50am	Seats (Total: 24) PHY 3220	Lab
0116	George Goldenbaum W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3310	Lab
0117	George Goldenbaum Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3310	Lab
0118	George Goldenbaum M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3310	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. *CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	George Goldenbaum	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: PHYS161 or PHYS171; and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS142, or PHYS260 and PHYS261, or PHYS272.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS272H.

0101	Michael Fuhrer	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H *(PermReq)* **Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: PHYS161 or PHYS171; and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS142, or PHYS260 and PHYS261, or PHYS272. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. For general honors students only. Also offered as PHYS272.

0101	Michael Fuhrer	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS273H.

0101	Carter Hall	Seats (Total: 60)
	TuTh 9:30am - 10:45am F 9:00am - 9:50am	PHY 1201 CHM 0115

PHYS273H **Introductory Physics: Waves**

PHYS273H *(PermReq)* **Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. For general honors students only. Also offered as PHYS273.

0101	Carter Hall	Seats (Total: 60)
	TuTh 9:30am - 10:45am F 9:00am - 9:50am	PHY 1201 CHM 0115

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS272. Prerequisites: PHYS161 or PHYS171; and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

0101	Frederick Wellstood W 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0201	Frederick Wellstood M 1:00pm - 4:50pm	Seats (Total: 13) PHY 3104	Lab
0301	Douglas Hamilton Tu 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0401	Douglas Hamilton Th 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Kara Hoffman M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0201	Kara Hoffman Tu 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Andris Skuja Th 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	
0401	Andris Skuja W 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS299H **Great Physicists of the 20th Century**

PHYS299H Great Physicists of the 20th Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.

0101	Oscar Greenberg	Seats (Total: 20)	
	TuTh 10:00am - 11:15am	PHY 4102	

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and PHYS273. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Zackaria Chacko	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	CSS 1113	
	W 4:00pm - 4:50pm	CSS 1113	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Sarah Eno	Seats (Total: 10)	
	W 2:00pm - 5:50pm	PHY 3203	Lab
0201	Sarah Eno	Seats (Total: 10)	
	M 2:00pm - 5:50pm	PHY 3203	Lab
0301	Suresh Tonwar	Seats (Total: 10)	
	Tu 2:00pm - 5:50pm	PHY 3203	Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Formerly PHYS421.
Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Ian Appelbaum	Seats (Total: 50)	
	M 3:00pm - 4:50pm	PHY 1402	
	WF 3:00pm - 3:50pm	PHY 1402	

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Victor Yakovenko	Seats (Total: 60)	
	MWF 9:00am - 9:50am	PHY 1201	
	W 10:00am - 10:50am	PHY 1201	

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Michael Levin	Seats (Total: 60)	
	TuTh 12:30pm - 1:45pm	CSS 1113	

PHYS405 **Advanced Experiments**

PHYS405 *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. For PHYS majors only. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Simone-Gunde Kulin, James Anderson	Seats (Total: 16)	
	W 12:00pm - 12:50pm	PHY 3112	Lab
	TBA	PHY 3112	Lab
0102	Simone-Gunde Kulin, James Anderson	Seats (Total: 16)	
	W 12:00pm - 12:50pm	PHY 3112	Lab
	TBA	PHY 3112	Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375, PHYS499A, and permission of department. Senior standing. For PHYS majors only. Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Richard Ellis	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Peter Shawhan	Seats (Total: 44)
	MW 11:00am - 11:50am	PHY 0405
	F 10:00am - 11:50am	PHY 0405

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Sylvester Gates	Seats (Total: 44)
	TuTh 9:30am - 10:45am	PHY 0405
	M 10:00am - 10:50am	PHY 0405

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS270 and PHYS271, or PHYS273; and MATH246.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Dieter Brill	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	PHY 1402	

PHYS441 **Topics in Nuclear and Particle Physics**

PHYS441 Topics in Nuclear and Particle Physics; (3 credits) Grade Method: REG. *Prerequisite: PHYS401 or PHYS402; and PHYS411; or permission of instructor. Corequisite: PHYS402.* A survey of concepts in particle and nuclear physics, with a topical emphasis on the impact of the Weak Interaction and the discovery of Parity Violation.

0101	Luis Orozco	Seats (Total: 25)	
	TuTh 11:00am - 12:15pm	PHY 1219	

PHYS485 **Electronic Circuits**

PHYS485 *(PermReq)* **Electronic Circuits; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS405. Corequisite: PHYS301 or PHYS374.* Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

0101	Michael Coplan	Seats (Total: 13)	
	M 2:00pm - 3:50pm	PHY 1219	
	W 1:00pm - 4:50pm	PHY 3321	Lab

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499O **Special Problems in Physics; A Topical Introduction to Atomic Molecular and Optical Physics**

PHYS499O Special Problems in Physics: A Topical Introduction to Atomic Molecular and Optical Physics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Luis Orozco, Steven Rolston	Seats (Total: 20)
	TuTh 1:30pm - 2:45pm	PHY 1304

PHYS603 **Methods of Statistical Physics**

PHYS603 *(PermReq)* **Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as CHPH718F.

0101	Theodore Einstein	Seats (Total: 49)
	TuTh 9:30am - 10:45am	PHY 1410

PHYS606 **Electrodynamics**

PHYS606 *(PermReq)* **Electrodynamics; (4 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 604 or equivalent. Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity. Advanced special students require department authorization.

0101	James Drake	Seats (Total: 50)
	TuTh 11:00am - 12:40pm	PHY 1402

PHYS623 **Introduction to Quantum Mechanics II**

PHYS623 *(PermReq)* **Introduction to Quantum Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622. Advanced special students require department authorization.

0101	Victor Galitskiy	Seats (Total: 60)	
	MWF 10:00am - 10:50am	CHM 0127	

PHYS625 **Non-relativistic Quantum Mechanics**

PHYS625 Non-relativistic Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

0101	Theodore Kirkpatrick	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	PHY 1219	

PHYS685 **Research Electronics**

PHYS685 *(PermReq)* **Research Electronics; (4 credits)** Grade Method: REG.
Prerequisite: equivalent of PHYS405 and PHYS301 or PHYS374 not open to undergraduate students who have completed PHYS485. Credit will be granted for only one of the following: PHYS485 or PHYS685. An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

0101	Michael Coplan	Seats (Total: 13)	
	M 2:00pm - 3:50pm	PHY 1219	
	W 1:00pm - 4:50pm	PHY 3321	Lab

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	Ayush Gupta Th 3:30pm - 4:45pm	Seats (Total: 15) PHY 0405

PHYS709 **Seminar in General Physics; Statistical Physics**

PHYS709 Seminar in General Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization. Also offered as CHPH 709B.

0101	John Weeks W 4:00pm - 6:00pm	Seats (Total: 20) HJP 2242

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Luis Orozco M 12:30pm - 1:50pm	Seats (Total: 30) PHY 1201

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Min Ouyang Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1219

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Victor Galitskiy Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1201

PHYS741 **Nuclear Physics: Survey**

PHYS741 Nuclear Physics: Survey; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 622; and PHYS 623. An introductory survey of nuclear physics, including the following topics: properties of the two-nucleon force and the most popular phenomenological potentials; properties of nuclei including radii, shapes and charge distributions; introduction to nuclear structure models, including collective, independent particle, and shell model; basic features of radioactivity including weak interactions and alpha decay; introduction to nuclear reactions, including phenomenological optical potentials and distorted wave approximations.

0101	Xiangdong Ji F 9:30am - 12:30pm	Seats (Total: 10) PHY 2202

PHYS748 **Seminar in Experimental Nuclear Physics; Seminar in Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics: Seminar in Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Carter Hall W 11:30am - 1:00pm	Seats (Total: 10) PHY 2202

PHYS752 **Elementary Particle Physics II: Theory**

PHYS752 Elementary Particle Physics II: Theory; (3 credits) Grade Method: REG/AUD.
Prerequisites: {PHYS 624; and PHYS 751}. Survey of elementary particles and their properties, quantum field theory, meson theory, weak interactions, possible extensions of elementary particle theory.

0101	Kaustubh Agashe MWF 11:00am - 11:50am	Seats (Total: 10) PHY 1219

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Experimental Results Including Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Andris Skuja	Seats (Total: 25)
	W 4:00pm - 5:30pm	PHY 0405

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit)
Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Kaustubh Agashe	Seats (Total: 27)
	M 3:00pm - 4:00pm	PHY 4102

PHYS769 **Seminar in Plasma Physics; Plasma Physics Research**

PHYS769 Seminar in Plasma Physics: Plasma Physics Research; (1 credit)
Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Adil Hassam	Seats (Total: 20)
	W 3:45pm - 5:00pm	Location: TBA

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Douglas Hamilton, Eun-Suk Seo	Seats (Total: 15)
	M 4:30pm - 5:45pm	CSS 2400

PHYS779A **Seminar in General Relativity**

PHYS779A Seminar in General Relativity; (1 credit) Grade Method: REG/AUD.

0101	Manuel Tiglio, Peter Shawhan Th 2:00pm - 3:00pm	Seats (Total: 10) PHY 1204

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Richard Ellis Tu 4:00pm - 5:30pm	Seats (Total: 100) PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Michelle Girvan Th 12:00pm - 1:30pm	Seats (Total: 10) PHY 1204

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709L and BIPH698L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

PHYS798Z **Special Problems in Advanced Physics; Introduction to Nonequilibrium Statistical Physics**

PHYS798Z Special Problems in Advanced Physics: Introduction to Nonequilibrium Statistical Physics; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH718B.

0101	Christopher Jarzynski	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KEB 1200
	Also offered as CHEM718B and CHPH718B.	

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS799B **Master's Thesis Research**

PHYS799B Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0101	Richard Ellis	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS828Q **Special Topics in Atomic and Molecular Physics; Atomic and Optical Physics II: Quantum Information Science**

PHYS828Q Special Topics in Atomic and Molecular Physics: Atomic and Optical Physics II: Quantum Information Science; (3 credits) Grade Method: REG/AUD.

0101	Jacob Taylor, Christopher Monroe	Seats (Total: 30)
	MW 2:30pm - 3:50pm	PHY 0405

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH718A.

0101	Theodore Einstein, William Cullen	Seats (Total: 3)
	M 12:00pm - 1:00pm	PHY 0405
	F 3:00pm - 5:00pm	PHY 1204

PHYS838C **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Center for Nanophysics and Advanced Materials Seminar; (2 credits) Grade Method: REG/AUD.

0101	Christopher Lobb	Seats (Total: 30)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics**

PHYS839A Special Topics in Theoretical Solid State Physics; (1-4 credits) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS851 **Advanced Quantum Field Theory**

PHYS851 Advanced Quantum Field Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS 624.* Renormalizations of Lagrangian field theories, Lamb shift, positronium fine structure, T. C. P. Invariance, connection between spin and statistics, broken symmetries in many body problems, soluble models, analyticity in perturbation theory, simple applications of dispersion relations.

0101	Raman Sundrum	Seats (Total: 22)
	Tu 11:00am - 12:30pm	PHY 1304
	Th 11:00am - 12:30pm	MTH 0201

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Spring 2012

PLSC100 **Introduction to Horticulture**

PLSC100 Introduction to Horticulture; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices. Students must pay a $50.00 lab materials fee.

0101	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 2:00pm - 4:20pm	PLS 1153	Lab
	M 1:00pm - 1:50pm	PLS 1153	Discussion
0102	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Tu 1:30pm - 3:50pm	PLS 1153	Lab
	Tu 12:30pm - 1:20pm	PLS 1153	Discussion
0103	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 2:00pm - 4:20pm	PLS 1153	Lab
	W 1:00pm - 1:50pm	PLS 1153	Discussion
0104	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Th 1:30pm - 3:50pm	PLS 1153	Lab
	Th 12:30pm - 1:20pm	PLS 1153	Discussion
0105	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 10:00am - 12:20pm	PLS 1153	Lab
	M 9:00am - 9:50am	PLS 1153	Discussion

0106	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 10:00am - 12:20pm	PLS 1153	Lab
	W 9:00am - 9:50am	PLS 1153	Discussion
0107	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	F 10:00am - 12:20pm	PLS 1153	Lab
	F 9:00am - 9:50am	PLS 1153	Discussion

PLSC189I **Specialty Crops: Plantation Agriculture to Globalization**

PLSC189I Specialty Crops: Plantation Agriculture to Globalization; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Anna Wallis, Julia Harshman, Christopher Walsh	Seats (Total: 60)
	TuTh 3:30pm - 4:45pm	PLS 1130

PLSC203 **Plants, Genes and Biotechnology**

PLSC203 Plants, Genes and Biotechnology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Prerequisite: BSCI103 or BSCI105. Not open to students who have completed NRSC203. Formerly NRSC203. An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

0101	Jose Costa	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	PLS 1117

PLSC235 **Irrigation and Drainage**

PLSC235 Irrigation and Drainage; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC235 or PLSC489I. Formerly PLSC489I. An overview of U.S. and state water doctrines and plant water use rates. Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

0101	Justin Mathias MW 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 6) JUL 1123 JUL 1111	 Lab
0102	Justin Mathias MW 10:00am - 10:50am M 11:00am - 12:50pm *This section is restricted to IAA students.*	Seats (Total: 12) JUL 1123 JUL 1111	 Lab

PLSC244 **Herbaceous Plants**

PLSC244 Herbaceous Plants; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101. Credit will be granted for only one of the following: PLSC244 or PLSC489A. Formerly PLSC489A. Herbaceous plants are integral components of residential and commercial landscapes. Students will become familiar with 250 annual and perennial plants. The emphasis will be on plant management requirements and seasonal variation in the landscape. Students must pay a $80.00 laboratory materials fee.

0101	Steven Cohan, Carol Allen TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 25) RGC 1111 RGC 1111	 Discussion

PLSC254 **Woody Plants for Mid-Atlantic Landscape II**

PLSC254 Woody Plants for Mid-Atlantic Landscape II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC253; or permission of instructor. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

0101	Karen Petroff	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1153	 Lab
0102	Karen Petroff	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1117	 Lab

PLSC271 **Plant Propagation**

PLSC271 Plant Propagation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PLSC100. A study of the principles and practices in the propagation of plants.

0101	Gary Coleman	Seats (Total: 12)	
	W 1:00pm - 2:50pm W 3:00pm - 4:50pm	PLS 1162 PLS 1162	 Lab

PLSC303 **International Crop Production**

PLSC303 International Crop Production; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Prerequisite: BSCI105 or equivalent. An introduction to the biological dimension of world hunger. The problems and potentials for increasing world food supply based on current agronomic knowledge. Emphasis on international aspects of food crop production and the interrelationships between agriculture and human populations in the developing world.

0101	Christopher Walsh	Seats (Total: 12)	
	TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	PLS 1130 PLS 1164	 Discussion

PLSC321 **Landscape Structures and Materials**

PLSC321 Landscape Structures and Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC320. Also offered as LARC321. Credit will be granted for only one of the following: LARC321, or PLSC321. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 20)	
	TuTh 9:30am - 10:45am Th 11:00am - 12:15pm	PLS 1130 PLS 2150	Lab

PLSC388 **Honors Thesis Research**

PLSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 10)	
	Contact instructor or department for details. Contact instructor or department for details.		

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC400 **Environmental Plant Physiology**

PLSC400 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI105 and BSCI106). Recommended: CHEM131/CHEM132. Junior standing. Not open to students who have completed NRSC401. Formerly NRSC401. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses.

0101	Jianhua Zhu	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 4:00pm - 6:50pm	PLS 1119 PLS 1153	Lab

PLSC401 **Pest Management Strategies for Turfgrass**

PLSC401 Pest Management Strategies for Turfgrass; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC305. Interdisciplinary view of weed, disease, and insect management from an agronomy perspective. Plant responses to pest invasion, diagnosis of pest-related disorders, and principles of weed, disease and insect suppression through cultural, biological and chemical means are discussed.

0101	Peter Dernoeden	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PLS 1115

PLSC407 **Advanced Crop Science**

PLSC407 Advanced Crop Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and PLSC101. A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

0101	Donald Glenn, Jose Costa	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HJP 1104

PLSC425 **Green Roofs and Urban Sustainability**

PLSC425 Green Roofs and Urban Sustainability; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC425 or PLSC489V. Formerly PLSC489V. The integration of disciplines associated with sustainability issues. Topics range from plant science to design to policy, all of which can contribute to improving the urban environment.

0101	Steven Cohan	Seats (Total: 65)
	Tu 11:00am - 12:15pm	PLS 1130

PLSC432 **Greenhouse Crop Production**

PLSC432 Greenhouse Crop Production; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC201 (formerly NRSC201) and PLSC202. Pre- or corequisite: BSCI442.* The commercial production and marketing of ornamental plant crops under greenhouse, plastic houses and out-of-door conditions.

0101	John Lea-Cox	Seats (Total: 20)	
	Tu 3:30pm - 4:45pm	PLS 1164	
	Th 3:30pm - 4:45pm	RGC 1111	
	Th 5:00pm - 7:00pm	RGC 1111	Lab

PLSC452 **Environmental Horticulture**

PLSC452 Environmental Horticulture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: (PLSC100 or PLSC101), PLSC253 and PLSC254.* Environmental horticulture principles used in the establishment and maintenance of plant materials in residential and commercial landscapes will be addressed. The effect of soil conditions, environmental factors, and commercial practices will be discussed in relation to the growth and development of newly-installed plant materials. Field diagnostics will be used by students to assess significant problems of plant decline. Environmental sustainability will be combined with current commercial practices of storm water management, nutrient management, and irrigation management to achieve an integrated approach to plant management. Students must pay a $60.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1113	
	W 1:00pm - 3:50pm	PLS 1113	Lab

PLSC460 **Application of Knowledge in Plant Sciences**

PLSC460 Application of Knowledge in Plant Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENST200, ENGL393 or equivalent and PLSC389 or PLSC399. Senior standing in Plant Sciences major or in another related major. A capstone course based on interactions with plant science professionals and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further develop critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

0101	Donald Glenn, John Lea-Cox, Steven Cohan, Mark Carroll Tu 12:30pm - 3:15pm	Seats (Total: 25) PLS 1115

PLSC471 **Forest Ecology**

PLSC471 Forest Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 or PLSC201. An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan MWF 10:00am - 10:50am	Seats (Total: 50) PLS 1130

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan Contact instructor or department for details.	Seats (Total: 5)

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 12)
	Contact instructor or department for details.	

PLSC489J **Special Topics in Plant Science; Exploring Plant Protection**

PLSC489J Special Topics in Plant Science: Exploring Plant Protection; (1 credit) Grade Method: REG/P-F/AUD.

0101	Arvydas Grybauskas	Seats (Total: 23)
	W 11:00am - 11:50am	PLS 1162

PLSC489L **Special Topics in Plant Science; Landscape Contracting II**

PLSC489L Special Topics in Plant Science: Landscape Contracting II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 16)
	Contact instructor or department for details.	

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

PLSC489R *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 or PLSC204 and permission of instructor.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC489V **Special Topics in Plant Science; Fruit and Vegetable Production and Management**
Contact department for information to register for this course.

PLSC489W **Special Topics in Plant Science; Plant-Microbe Associations**

PLSC489W Special Topics in Plant Science: Plant-Microbe Associations; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shunyuan Xiao, James Culver	Seats (Total: 12)
	TuTh 9:30am - 10:45am	PLS 1146

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC685 **Advanced Plant Ecophysiology**

PLSC685 Advanced Plant Ecophysiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: one coure in plant physiology. Credit will be granted for only one of the following: NRSC685 or PLSC685. Formerly NRSC685.* Growth, productivity and survival are intimately linded to a plant's ability to adjust to its environment. The information provided in this course is designed to provide an introduction to the basic physical and psysiological principles necessary for understanding the interactions between plants and their environment. The overall objective of this course is to understand plant responses and adaptations to the environment and the ecological relevance of these responses.

0101	Joseph Sullivan	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	PLS 1113

PLSC689C **Special Topics; Conservation Biology**

PLSC689C *(PermReq)* **Special Topics: Conservation Biology; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Maile Neel	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689F **Special Topics; Fungal Phylogenetics Laboratory**

PLSC689F *(PermReq)* **Special Topics: Fungal Phylogenetics Laboratory; (2 credits)** Grade Method: REG/AUD.

0101	Priscila Chaverri	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689T **Special Topics; Tree Genomics**

PLSC689T Special Topics: Tree Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC689W **Special Topics; Plant-Microbe Associations**

PLSC689W Special Topics: Plant-Microbe Associations; (3 credits) Grade Method: REG/AUD.

0101	James Culver, Shunyuan Xiao	Seats (Total: 12)
	TuTh 9:30am - 10:45am	PLS 1146

PLSC789B **Advances in Research; ADVANCES IN RESEARCH: BIOENERGY**

PLSC789B Advances in Research: ADVANCES IN RESEARCH: BIOENERGY; (1 credit) Grade Method: REG/AUD.

0101	Jianhua Zhu	Seats (Total: 10)
	Tu 2:00pm - 2:50pm	PLS 1158

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 40)
	M 4:00pm - 5:30pm	PLS 1130

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Spring 2012

PORT204 **Intensive Intermediate Portuguese**

PORT204 Intensive Intermediate Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT104 or Appropriate Foreign Language Placement Testing (FLPT) score. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Talia Guzman-Gonzalez	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3203
	W 11:00am - 11:50am	JMZ 0120

PORT221 **Introduction to Brazilian Literature**

PORT221 Introduction to Brazilian Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Explores all five regions of Brazil through short stories.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 1122

PORT235 **Issues in Latin American Studies II**

PORT235 Issues in Latin American Studies II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and LASC235. Credit will be granted for only one of the following: PORT235 or SPAN235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of PORT/LASC/SPAN 234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 35) BPS 1236
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) MTH 1313

PORT378 **Brazilian Cinema (in Translation)**

PORT378 Brazilian Cinema (in Translation); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Regina Igel TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 2207

PORT386 **Experiential Learning**

PORT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT399B **Independent Study in Portuguese; Colloquium: Brazilian Cinema**

PORT399B Independent Study in Portuguese: Colloquium: Brazilian Cinema; (1 credit) Grade Method: REG/P-F/AUD.

0101	Regina Igel Th 3:30pm - 4:20pm	Seats (Total: 10) JMZ 2207	

PSYC Psychology Spring 2012

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for course syllabus.

0101	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 30) BRB 1101 BPS 1238	 Discussion
0104	Kevin Murnane MW 4:00pm - 5:15pm F 10:00am - 10:50am	Seats (Total: 30) BRB 1101 MTH 0103	 Discussion
0106	Kevin Murnane MW 4:00pm - 5:15pm F 1:00pm - 1:50pm	Seats (Total: 30) BRB 1101 JMP 3216	 Discussion

0107	Kevin Murnane MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 30) BRB 1101 BPS 1238	 Discussion
0108	Kevin Murnane MW 4:00pm - 5:15pm W 1:00pm - 1:50pm	Seats (Total: 28) BRB 1101 BPS 1232	 Discussion
0109	Kevin Murnane MW 4:00pm - 5:15pm W 3:00pm - 3:50pm	Seats (Total: 30) BRB 1101 BPS 1232	 Discussion
0112	Kevin Murnane MW 4:00pm - 5:15pm F 2:00pm - 2:50pm	Seats (Total: 30) BRB 1101 BPS 1228	 Discussion
0114	Kevin Murnane MW 4:00pm - 5:15pm F 3:00pm - 3:50pm	Seats (Total: 30) BRB 1101 BPS 1232	 Discussion
0115	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 30) BRB 1101 PLS 1130	 Discussion
0201	Ryan Curtis TuTh 3:30pm - 4:20pm F 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 20) BRB 1101 BPS 1228 ONLINE	 Discussion Discussion
0202	Ryan Curtis TuTh 3:30pm - 4:20pm F 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 20) BRB 1101 BPS 1124 ONLINE	 Discussion Discussion
0203	Ryan Curtis TuTh 3:30pm - 4:20pm F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) BRB 1101 BPS 1228 ONLINE	 Discussion Discussion

0204	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm F 11:00am - 11:50am Class time/details on ELMs	BRB 1101 BPS 1124 ONLINE	 Discussion Discussion
0205	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm Class time/details on ELMs	BRB 1101 BPS 1228 ONLINE	 Discussion Discussion
0206	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm Class time/details on ELMs	BRB 1101 BPS 1124 ONLINE	 Discussion Discussion
0207	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm Class time/details on ELMs	BRB 1101 BPS 1228 ONLINE	 Discussion Discussion
0208	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm Class time/details on ELMs	BRB 1101 BPS 1124 ONLINE	 Discussion Discussion
0301	Ryan Curtis	Seats (Total: 20)	
	TuTh 4:30pm - 5:20pm F 10:00am - 10:50am Class time/details on ELMs	BRB 1101 BPS 1232 ONLINE	 Discussion Discussion
0302	Ryan Curtis	Seats (Total: 20)	
	TuTh 4:30pm - 5:20pm F 10:00am - 10:50am Class time/details on ELMs	BRB 1101 HJP 2242 ONLINE	 Discussion Discussion
0303	Ryan Curtis	Seats (Total: 20)	
	TuTh 4:30pm - 5:20pm F 11:00am - 11:50am Class time/details on ELMs	BRB 1101 BPS 1232 ONLINE	 Discussion Discussion

0304	Ryan Curtis TuTh 4:30pm - 5:20pm F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) BRB 1101 HJP 2242 ONLINE	 Discussion Discussion
0305	Ryan Curtis TuTh 4:30pm - 5:20pm F 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) BRB 1101 BPS 1232 ONLINE	 Discussion Discussion
0306	Ryan Curtis TuTh 4:30pm - 5:20pm F 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) BRB 1101 HJP 2242 ONLINE	 Discussion Discussion
0307	Ryan Curtis TuTh 4:30pm - 5:20pm F 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 20) BRB 1101 BPS 1232 ONLINE	 Discussion Discussion
0308	Ryan Curtis TuTh 4:30pm - 5:20pm F 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 20) BRB 1101 HJP 2242 ONLINE	 Discussion Discussion

PSYC100H **Introduction to Psychology**

PSYC100H *(PermReq)* **Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. For honors students only. Click here for course syllabus.

0101	Steven Brauth TuTh 11:00am - 12:30pm	Seats (Total: 30) PLS 1111	

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and one of the following: MATH111, MATH140, MATH220, STAT100, or MATH130 with a C- or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Clickhere for course syllabus.

0101	Tracy Tomlinson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 38) BPS 1250 BPS 1238	 Discussion
0102	Tracy Tomlinson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 38) BPS 1250 BPS 1238	 Discussion
0103	Tracy Tomlinson TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 37) BPS 1250 BPS 0283	 Discussion
0104	Tracy Tomlinson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 37) BPS 1250 BPS 1238	 Discussion
0201	Tracy Tomlinson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 29) BPS 1243 BPS 0140	 Discussion
0202	Tracy Tomlinson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 29) BPS 1243 BPS 0140	 Discussion
0203	Tracy Tomlinson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 29) BPS 1243 BPS 0140	 Discussion
0204	Tracy Tomlinson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) BPS 1243 BPS 0140	 Discussion

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for course syllabus.

0101	Dylan Selterman MW 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 150) BRB 1101 ONLINE	
0201	Dylan Selterman MW 3:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 150) BRB 1101 ONLINE	
HSWJ	Jarrod Hyman TuTh 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 30) Location: TBA	

PSYC300 **Research Methods in Psychology Laboratory**

PSYC300 Research Methods in Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. For PSYC majors only. Credit will be granted for only one of the following: PSYC300 or PSYC309R. Formerly PSYC309R. A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. Click here for course syllabus.

0101	Charles Stangor MW 1:00pm - 1:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0102	Charles Stangor MW 1:00pm - 1:50pm Th 9:30am - 11:20am	Seats (Total: 16) BPS 1250 JUL 1105	 Discussion

0103	Charles Stangor MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0104	Charles Stangor MW 1:00pm - 1:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1250 BPS 0283	 Discussion
0105	Charles Stangor MW 1:00pm - 1:50pm Th 12:30pm - 2:20pm	Seats (Total: 16) BPS 1250 JUL 1105	 Discussion
0106	Charles Stangor MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1236	 Discussion
0107	Charles Stangor MW 1:00pm - 1:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1250 SYM 0215	 Discussion
0108	Charles Stangor MW 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0201	Catalina Kopetz MW 12:00pm - 12:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 EGR 0309	 Discussion
0202	Catalina Kopetz MW 12:00pm - 12:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1250 MTH 0101	 Discussion
0203	Catalina Kopetz MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1250 JMP 1202	 Discussion
0204	Catalina Kopetz MW 12:00pm - 12:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 CHE 2145	 Discussion

0205	Catalina Kopetz MW 12:00pm - 12:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1238	 Discussion
0206	Catalina Kopetz MW 12:00pm - 12:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 JMP 1109	 Discussion

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105; PSYC100.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	David Yager TuTh 12:30pm - 1:45pm	Seats (Total: 150) BPS 1250

PSYC309C **Special Topics in Psychology; Major Transitions**

PSYC309C Special Topics in Psychology: Major Transitions; (1 credit) Grade Method: REG/P-F/AUD.

0101	Kevin McGann M 12:00pm - 1:00pm	Seats (Total: 20) BPS 1124

PSYC309E **Special Topics in Psychology; Topics in Neural Systems and Behavior**

PSYC309E *(PermReq)* **Special Topics in Psychology: Topics in Neural Systems and Behavior; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Cynthia Moss Contact instructor or department for details.	Seats (Total: 10)

PSYC309F **Special Topics in Psychology; Animal Learning and Behavior**

PSYC309F Special Topics in Psychology: Animal Learning and Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and BSCI105.

0101	Matthew Roesch	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BPS 0283

PSYC309G **Special Topics in Psychology; Introduction to Cognitive Neuroscience**

PSYC309G Special Topics in Psychology: Introduction to Cognitive Neuroscience; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. What are the biological foundations of the mind? Cognitive Neuroscience, a relatively new field of research, aims to answer this question. This course will give you an introductory overview about how the brain enables behavior, as well as the methods that cognitive neuroscientists use.

0101	Susanne Jaeggi	Seats (Total: 20)
	MWF 11:00am - 11:50am	BPS 3132

PSYC309H **Special Topics in Psychology; Developmental Cognitive Neuroscience**

PSYC309H Special Topics in Psychology: Developmental Cognitive Neuroscience; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elizabeth Redcay	Seats (Total: 30)
	TuTh 9:30am - 10:45am	BPS 1124

PSYC309J **Special Topics in Psychology; Development of Child and Adolescent Attachment**

PSYC309J Special Topics in Psychology: Development of Child and Adolescent Attachment; (3 credits) Grade Method: REG/P-F/AUD.

0101	Brandi Stupica	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	BPS 1103

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC310 **Perception**

PSYC310 Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {BSCI105, BSCI106, CHEM103 or PHYS121}. Not open to students who have completed PSYC410. A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. For majors only.

0101	Lydia Maniatis TuTh 4:00pm - 5:15pm	Seats (Total: 40) BPS 1238
0201	Sandra Blumenrath TuTh 2:30pm - 3:45pm	Seats (Total: 40) TYD 2111

PSYC319D **Community Interventions: Service Learning**

PSYC319D *(PermReq)* **Community Interventions: Service Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor required and PSYC318.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 16) BPS 1103

PSYC325 **Psychology and Law**

PSYC325 Psychology and Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; PSYC200; PSYC300. Credit will be granted for only one of the following: PSCY309K or PSYC325. Formerly PSCY309K. An introduction to the intersection of psychology and the criminal justice sytem, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These apsects will be evaluated with a research lens as well as an applied outlook.

0101	Tracy Tomlinson TuTh 2:00pm - 3:15pm	Seats (Total: 30) BPS 1232

PSYC330 **Child Psychopathology**

PSYC330 Child Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. For PSYC majors only. Credit will be granted for only one of the following: PSYC309B or PSYC330. Formerly PSYC309B. Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence.

0101	Lea Dougherty	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 0283

PSYC332 **Psychology of Human Sexuality**

PSYC332 Psychology of Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices. Restricted to PSYC Majors.

0101	Cristina Risco	Seats (Total: 40)
	TuTh 4:00pm - 5:15pm	PLS 1140

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Dylan Selterman	Seats (Total: 150)
	TuTh 2:00pm - 3:15pm	BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Nazish Salahuddin	Seats (Total: 150)
	TuTh 4:00pm - 5:15pm	KEY 0106

PSYC338A **Special Topics in Study Abroad III; Applied Psychology**
Contact department for information to register for this course.

PSYC338B **Special Topics in Study Abroad III; Adolescence in Northern Europe**
Contact department for information to register for this course.

PSYC338C **Special Topics in Study Abroad III; Psychology and Criminal Behavior**
Contact department for information to register for this course.

PSYC338D **Special Topics in Study Abroad III; Developmental Disorders**
Contact department for information to register for this course.

PSYC338G **Special Topics in Study Abroad III; The Social Brain: Neuropsychology of Social Behaviors**
Contact department for information to register for this course.

PSYC338L **Special Topics in Study Abroad III; Psychology of Leadership**
Contact department for information to register for this course.

PSYC338M **Special Topics in Study Abroad III; Landscapes of the Mind**
Contact department for information to register for this course.

PSYC338N **Special Topics in Study Abroad III; Neuroscience of Fear**
Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**
Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200; PSYC300. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Kevin Murnane	Seats (Total: 115)
	MW 2:00pm - 3:15pm	BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. For PSYC majors only. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Charles Gelso	Seats (Total: 300)
	TuTh 2:00pm - 3:15pm	BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for course syllabus.

0101	Susan Lee	Seats (Total: 150)
	MW 2:00pm - 3:15pm	BPS 1250

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only.

0101	Margaret Miller	Seats (Total: 100)	
	MW 2:00pm - 3:15pm	PLS 1140	

PSYC386 **Experiential Learning**
Contact department for information to register for this course.

PSYC389 **Experiential Learning**

PSYC389 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Steven Young	Seats (Total: 20)	
	Contact instructor or department for details.		

PSYC401 **Biological Bases of Behavior Laboratory**

PSYC401 *(PermReq)* **Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300; PSYC301; and permission of instructor. Restricted to PSYC majors who have completed 85 credits. A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

0101	David Yager	Seats (Total: 8)	
	MW 9:00am - 9:50am	BPS 1236	
	M 1:00pm - 5:00pm	BPS 0263	Lab

0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301. Priority is given to PSYC majors.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth TuTh 12:30pm - 1:45pm	Seats (Total: 42) BPS 1236	

PSYC404 **Introduction to Behavioral Pharmacology**

PSYC404 Introduction to Behavioral Pharmacology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC301. For PSYC majors only. Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

0101	Frank Hall Th 5:00pm - 7:30pm	Seats (Total: 40) BPS 0283	

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 Topics in Neurosciences Seminar; (1 credit) Grade Method: S-F. Also offered as PSYC789C. Restricted to students in the Minor in Neurosciences. Prerequisite: permission of department. Junior standing. Repeatable to 4 credits if content differs.

0101	Cynthia Moss, Erica Glasper Andrews Tu 4:00pm - 5:30pm	Seats (Total: 20) BPS 1142	

PSYC420 **Experimental Psychology: Social Psychology Laboratory**

PSYC420 Experimental Psychology: Social Psychology Laboratory; (4 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PSYC221; PSYC300. Restricted to PSYC majors who have completed 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Click here for course syllabus.

0101	Anna Sheveland MW 11:00am - 11:50am Th 10:00am - 12:00pm	Seats (Total: 18) BPS 1250 BPS 1228	Lab
0102	Anna Sheveland MW 11:00am - 11:50am Th 12:00pm - 2:00pm	Seats (Total: 18) BPS 1250 HJP 1125	Lab
0103	Anna Sheveland MW 11:00am - 11:50am Th 2:00pm - 4:00pm	Seats (Total: 18) BPS 1250 BPS 1238	Lab
0104	Anna Sheveland MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 18) BPS 1250 BPS 1238	Lab
0201	Ryan Curtis MW 10:00am - 10:50am M 12:00pm - 2:00pm	Seats (Total: 18) BPS 1243 BPS 1238	Lab
0202	Ryan Curtis MW 10:00am - 10:50am W 12:00pm - 2:00pm	Seats (Total: 18) BPS 1243 BPS 1238	Lab
0203	Ryan Curtis MW 10:00am - 10:50am Tu 12:00pm - 2:00pm	Seats (Total: 18) BPS 1243 BPS 1124	Lab
0204	Ryan Curtis MW 10:00am - 10:50am Tu 2:00pm - 4:00pm	Seats (Total: 18) BPS 1243 BPS 1238	Lab

PSYC423 **Advanced Social Psychology**

PSYC423 Advanced Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC420.* A systematic review of research and points of view in regard to major problems in the field of social psychology. Restricted to PSYC majors.

0101	Kurt Gray TuTh 2:00pm - 3:15pm	Seats (Total: 40) BPS 1236

PSYC424 **Communication and Persuasion**

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Scott Roberts TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2106

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

PSYC432 Counseling Psychology: Theories, Research, and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to PSYC majors (20010).

0101	Nazish Salahuddin TuTh 12:30pm - 1:45pm	Seats (Total: 40) HBK 0103
0201	Sara Ericson TuTh 4:00pm - 5:15pm	Seats (Total: 40) TYD 2102

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC300; and one of the following: PSYC235, PSYC334, PSYC353, PSYC432, PSYC434, PSYC435, or PSYC436. Restricted to PSYC majors who have completed 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Click here for course syllabus.

0101	Maria Berbery Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 BPS 1228	 Lab
0102	Maria Berbery Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 COL 0100	 Lab
0201	Maria Wydra W 10:00am - 12:00pm F 10:00am - 12:00pm	Seats (Total: 16) BPS 1124 PLS 1158	 Lab
0202	Maria Wydra W 10:00am - 12:00pm F 10:00am - 12:00pm	Seats (Total: 16) BPS 1124 BPS 1112	 Lab
0301	Tsz-Yeung Chui Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1232	 Lab
0302	Tsz-Yeung Chui Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1124	 Lab
0401	John Jackson M 10:00am - 12:00pm W 10:00am - 12:00pm	Seats (Total: 16) BPS 1232 BPS 1232	 Lab
0402	John Jackson M 10:00am - 12:00pm W 10:00am - 12:00pm	Seats (Total: 16) BPS 1232 BPS 1236	 Lab

PSYC435 **Theories of Personality and Psychotherapy**
Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to PSYC (20010) majors. Click here for course syllabus.

0101	Mary Byrne TuTh 11:00am - 12:15pm	Seats (Total: 40) BPS 0283	
0201	Andrea Leiman TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 0283	

PSYC437 **The Assessment and Treatment of Addictive Behaviors**
Contact department for information to register for this course.

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300; PSYC341. Restricted to PSYC majors who have completed 85 credits. For PSYC majors only. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

0101	Tracy Tomlinson TuTh 12:30pm - 1:45pm W 1:00pm - 3:00pm	Seats (Total: 20) BPS 1238 BPS 0140	 Lab
0102	Tracy Tomlinson TuTh 12:30pm - 1:45pm W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1238 BPS 0140	 Lab

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Credit will be granted for only one of the following: PSYC309E or PSYC444. Formerly PSYC309E. Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology.

0101	Kent Norman MWF 11:00am - 11:50am	Seats (Total: 36) PLS 1129

PSYC456 **Research Methods in Developmental Psychology Laboratory**

PSYC456 Research Methods in Developmental Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300 and permission of department. Restricted to PSYC majors who have completed 85 credits. A presentation of major research designs used in developmental psychology and of the methodology used in developmental research, such as observational research, program evaluation, and laboratory experimentation. Click here for course syllabus.

0101	Jude Cassidy TuTh 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 10) Location: TBA

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC489F **Advanced Special Topics in Psychology; Psychology Neurophysiology of Object Perception**

PSYC489F *(PermReq)* **Advanced Special Topics in Psychology: Psychology Neurophysiology of Object Perception; (3 credits)** Grade Method: REG/P-F/AUD. For PSYC majors only. An overview of foundational and contemporary research into the neuroscience of object and face perception. Discussion topics will range from the cortical mechanisms of edge detection to the neural correlates of the conscious perception of objects. Also, includes discussion of a wide range of neuroscience methods.

0101	Thomas Carlson	Seats (Total: 10)
	Tu 3:00pm - 5:30pm	Location: TBA

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC602 **Quantitative Methods II**

PSYC602 Quantitative Methods II; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 601. A continuation of PSYC 601. Topics include experimental design, analysis of variance, analysis of covariance, multiple regression, and general linear models. For all non-psychology graduate students, written permission of the instructor is required.

0101	Kevin O'Grady	Seats (Total: 23)	
	TuTh 9:00am - 11:00am	BPS 1232	
	Th 5:00pm - 7:00pm	PLS 1129	Lab

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 Introduction to Industrial and Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC603 or PSYC730. Formerly PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0101	Michele Gelfand	Seats (Total: 20)	
	W 9:00am - 11:30am	BPS 3134	

PSYC607 **Advanced Topics in Human-Learning and Cognitive Psychology**

PSYC607 Advanced Topics in Human-Learning and Cognitive Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 607 or PSYC 671. Formerly PSYC671. A systemic review of major topic areas in the field of human learning and cognition, with emphases on information processes, mental representations, memory, reasoning, problem solving, and language.

0101	Michael Dougherty TuTh 12:30pm - 1:45pm	Seats (Total: 15) BPS 1112

PSYC622 **Research Methods in Clinical Psychology**

PSYC622 *(PermReq)* **Research Methods in Clinical Psychology; (3 credits)** Grade Method: REG.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC622 or PSYC718. Formerly PSYC718. Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

0101	Carl Lejuez W 1:00pm - 3:30pm	Seats (Total: 20) COL 2103K

PSYC629 **Clinical Laboratory**

PSYC629 Clinical Laboratory; (1-3 credits) Grade Method: S-F.

0101	Miranda Kofeldt Contact instructor or department for details.	Seats (Total: 20)
0201	Kelly O'Brien Contact instructor or department for details.	Seats (Total: 20)
0301	Mary Byrne Contact instructor or department for details.	Seats (Total: 20)

PSYC632 **Behavioral and Cognitive Behavioral Intervention for Children and Adolescents**

PSYC632 Behavioral and Cognitive Behavioral Intervention for Children and Adolescents; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 620. Corequisite: permission of instructor. For PYSC majors only. Formerly PSYC789A. Introduces students to the process of therapy with particular focus on behavioral and cognitive behavioral interventions in children and adolescents. Syllabus focuses on theory, research, client diversity, ethics and practical aspects of conducting therapy.

0101	Andrea Chronis-Tuscano	Seats (Total: 15)
	W 10:00am - 12:30pm	BPS 1112

PSYC638 **Externship in Professional Psychology; Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology: Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.
For PSYC majors only.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology; Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology: Internship in Professional Psychology; (1 credit) Grade Method: S-F.
For PSYC majors only.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC690 **Research in Counseling Psychology I**

PSYC690 Research in Counseling Psychology I; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC 690 or PSYC 718. Formerly PSYC718. Critical analysis of strategies methodological, conceptual, and content trends.

0101	Charles Gelso	Seats (Total: 20)
	W 1:00pm - 4:00pm	BPS 1112

PSYC691 **Research in Counseling Psychology II**

PSYC691 Research in Counseling Psychology II; (3 credits) Grade Method: REG. *Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC 691 or PSYC 718. Formerly PSYC718.* Critical analysis of trends and issues in counseling psychology science.

0101	Clara Hill	Seats (Total: 10)
	Th 1:00pm - 4:00pm	BPS 1103

PSYC737 **Research Methods in Industrial/Organizational Psychology**

PSYC737 Research Methods in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 603 or permission of instructor. Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

0101	Paul Hanges	Seats (Total: 20)
	Th 2:00pm - 4:30pm	BPS 1112

PSYC743 **Social Cognition**

PSYC743 Social Cognition; (3 credits) Grade Method: REG/AUD.
Research and theory concerning the attribution of personal characteristics, errors and biases in social judgment, social information processing, person memory, motivated social-cognition and cognition in groups.

0101	A Kruglanski, Noa Schori	Seats (Total: 10)
	W 3:00pm - 5:30pm	BPS 1228

PSYC757 **Developmental Cognitive Neuroscience**

PSYC757 Developmental Cognitive Neuroscience; (3 credits) Grade Method: REG/AUD.
For PSYC and NACS majors only; other students require department permission. Also offered as NACS728D. Credit will be granted for only one of the following: NACS728D or PSYC757. Developmental cognitive neuroscience investigates the relations between neural and cognitive development. This course provides an overview of current research questions, methodologies and findings related to neurocognitive development in human infants and children, the role of developmental plasticity, and atypical outcomes, such as those observed in neurodevelopmental disorders.

0101	Tracy Riggins M 9:30am - 12:00pm	Seats (Total: 10) BPS 1103

PSYC788B **Special Research Problems; Scientific Ethics**

PSYC788B *(PermReq)* **Special Research Problems: Scientific Ethics; (1-4 credits)** Grade Method: REG/AUD.
Also offered as NACS600 and BIOL600.

0101	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789C **Special Research Problems; Neurosciences Seminar**

PSYC789C Special Research Problems: Neurosciences Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as PSYC409.

0101	Erica Glasper Andrews, Cynthia Moss Tu 4:00pm - 5:30pm	Seats (Total: 20) BPS 1142

PSYC789D **Special Research Problems; Research Methods in Developmental Psychology**

PSYC789D Special Research Problems: Research Methods in Developmental Psychology; (1-2 credits) Grade Method: REG/AUD.

0101	Jude Cassidy	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	BPS 0147

PSYC789E **Special Research Problems**

PSYC789E *(PermReq)* **Special Research Problems; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789Q **Special Research Problems; Theories and Treatment of Addictive Behaviors**

PSYC789Q Special Research Problems: Theories and Treatment of Addictive Behaviors; (1-4 credits) Grade Method: REG/AUD.

0101	Carl Lejuez	Seats (Total: 1)
	Contact instructor or department for details.	

PSYC789R **Special Research Problems; Special Topics in Developmental Psychology**

PSYC789R Special Research Problems: Special Topics in Developmental Psychology; (3 credits) Grade Method: REG/AUD.
Also offered as NACS728G.

0101	Jonathan Beier	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	Location: TBA

PSYC798B **Graduate Seminar; The Teaching of Psychology**

PSYC798B Graduate Seminar: The Teaching of Psychology; (1 credit) Grade Method: REG/AUD.

0101	Scott Roberts	Seats (Total: 10)
	M 2:00pm - 2:50pm	BPS 1103

PSYC798T **Graduate Seminar; Intermediate Functional Magnetic Resonance Imaging**

PSYC798T Graduate Seminar: Intermediate Functional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/AUD.

0101	Luiz Pessoa	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	BPS 1234

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology**

PSYC888C Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.

0101	Kevin O'Grady	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888E **Research Methods in Psychology; Selection and Diversity**

PSYC888E Research Methods in Psychology: Selection and Diversity; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Hanges	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888L **Research Methods in Psychology; Reserch in Levels and Attitudes**

PSYC888L Research Methods in Psychology: Reserch in Levels and Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 5)
	Contact instructor or department for details.	

PSYC888T **Research Methods in Psychology; Psychology Neurophysiology of Object Perception**

PSYC888T Research Methods in Psychology: Psychology Neurophysiology of Object Perception; (3 credits) Grade Method: REG/AUD.
An overview of foundational and contemporary research into the neuroscience of object and face perception. Discussion topics will range from the cortical mechanisms of edge detection to the neural correlates of the conscious perception of objects. Also, includes discussion of a wide range of neuroscience methods.

0101	Thomas Carlson	Seats (Total: 15)
	Tu 3:00pm - 5:30pm	Location: TBA

PSYC889A **Research Methods in Psychology; Development Seminar**

PSYC889A Research Methods in Psychology: Development Seminar; (1-2 credits) Grade Method: REG/AUD.

0101	Jude Cassidy	Seats (Total: 15)
	Contact instructor or department for details.	

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Spring 2012

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.

0101	Nina Harris	Seats (Total: 40)
	Contact instructor or department for details.	

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gerard Evans	Seats (Total: 135)
	M 2:00pm - 4:30pm	ARM 0135

PUAF359J **Contemporary Issues in Political Leadership and Participation; Leading to Get Results**

PUAF359J Contemporary Issues in Political Leadership and Participation: Leading to Get Results; (3 credits) Grade Method: REG/P-F/AUD.

0101	Victoria Goddard-Truitt, Ravi D'Souza	Seats (Total: 24)
	M 4:15pm - 6:45pm	TLF 1126

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Frances Glendening Tu 4:15pm - 6:45pm	Seats (Total: 25) TLF 1126

PUAF386 **Experiential Learning**

PUAF386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Repeatable to 12 credits if content differs. Credit will be granted for only one of the following: BSOS386 or PUAF386. Formerly BSOS386.

Contact department for information to register for this course.

PUAF388B **Special Topics in Public Policy; Israel and International Development**

PUAF388B Special Topics in Public Policy: Israel and International Development; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT378B and ISRL449B. This course focuses on Israel's international cooperation for human development in the context of core issues such as poverty, governance and capacity building. Through case studies, the course also offers a practical grasp of the tools of development from project design through evaluation and lesson learning.

0101	Jacques Roumani TuTh 11:00am - 12:15pm	Seats (Total: 40) EGR 1108

PUAF388I **Special Topics in Public Policy; Intelligence as a National Security Instrument, The US Experience**

PUAF388I Special Topics in Public Policy: Intelligence as a National Security Instrument, The US Experience; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to intelligence as an instrument of national security policy and operations, including issues arising from intelligence in a homeland or domestic security context.

0101	Eric Chapman Th 2:00pm - 4:30pm	Seats (Total: 30) TYD 0102

PUAF388T **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

PUAF388T *(PermReq)* **Special Topics in Public Policy: Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)	
	Contact instructor or department for details.		

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course.

0101	Nina Harris	Seats (Total: 10)	
	Contact instructor or department for details.		

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Michael Busse	Seats (Total: 22)	
	Tu 4:15pm - 6:45pm	Location: TBA	
	F 1:30pm - 4:00pm	Location: TBA	Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman W 7:00pm - 9:30pm F 1:30pm - 4:00pm	Seats (Total: 20) Location: TBA Location: TBA	 Discussion
0201	Seth Weissman Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 24) VMH 1207 VMH 1203	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Paul Manuel Tu 7:00pm - 9:30pm	Seats (Total: 20) Location: TBA
0201	Paul Manuel W 7:00pm - 9:30pm	Seats (Total: 22) Location: TBA
0301	Christopher Foreman Tu 9:15am - 11:45am	Seats (Total: 20) Location: TBA

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Elisabeth Gilmore Tu 9:15am - 11:45am F 9:15am - 11:45am	Seats (Total: 25) Location: TBA Location: TBA	 Discussion
0201	Elisabeth Gilmore Tu 1:30pm - 4:00pm M 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 Location: TBA	 Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie W 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1207	 Discussion
0201	William Helkie Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1203	 Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Daniel Levine Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	
0201	Thomas Hilde W 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107	
0301	Miguel Gonzalez-Marcos W 9:15am - 11:45am	Seats (Total: 22) VMH 1107	

PUAF660 **Environmental Policy Workshop**

PUAF660 Environmental Policy Workshop; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work as a team to analyze and recommend responses to a current enviornmental policy issue. Emphasizes problem definition, organization of information and presentation of results.

0101	Robert Nelson Tu 9:15am - 11:45am	Seats (Total: 16) VMH 2101F	

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

0101	Philip Joyce Tu 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203 VMH 1203	 Discussion

0301	Russell Morris	Seats (Total: 25)	
	W 4:15pm - 6:45pm	VMH 1207	
	M 11:00am - 1:00pm	VMH 1207	Discussion

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF688C **Topics in Public Policy; Cyberspace: Legal and Policy Implications**

PUAF688C Topics in Public Policy: Cyberspace: Legal and Policy Implications; (1-3 credits) Grade Method: REG/AUD.

0101	William Nolte	Seats (Total: 20)
	W 9:15am - 11:45am	Location: TBA

PUAF689B **Public Policy Topics; Advanced Microeconomics & Policy**

PUAF689B Public Policy Topics: Advanced Microeconomics & Policy; (1-3 credits) Grade Method: REG/AUD.

0101	Matthias Ruth	Seats (Total: 20)
	Th 9:15am - 11:45am	VMH 1107

PUAF689D **Public Policy Topics; Social Entrepreneurship**

PUAF689D Public Policy Topics: Social Entrepreneurship; (3 credits) Grade Method: REG/AUD.

DC06	James Sanders	Seats (Total: 40)
	Meets March 24, 2012 - May 19, 2012	
	Sa 1:40pm - 5:50pm	DC C5

PUAF689F **Public Policy Topics; Current Issues in Federal Acquisition**

PUAF689F Public Policy Topics: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758P and ENSE698F.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA	

PUAF689G **Public Policy Topics; Geographic Information Systems in Public Policy**

PUAF689G Public Policy Topics: Geographic Information Systems in Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Naijun Zhou Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm	Seats (Total: 18) Location: TBA Location: TBA	 Discussion

PUAF689N **Public Policy Topics; U.S./China Social Policy**
Contact department for information to register for this course.

PUAF689P **Public Policy Topics; Strategic Philanthropy**

PUAF689P Public Policy Topics: Strategic Philanthropy; (3 credits) Grade Method: REG/AUD.

0101	Robert Grimm Tu 7:00pm - 9:30pm	Seats (Total: 20) Location: TBA

PUAF689V **Public Policy Topics; Forecasting and Analyzing Political Violence**

PUAF689V Public Policy Topics: Forecasting and Analyzing Political Violence; (3 credits) Grade Method: REG/AUD.

0101	Kevin Jones Th 1:30pm - 4:00pm	Seats (Total: 20) Location: TBA

PUAF689X **Public Policy Topics; Performance Management**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**
Contact department for information to register for this course.

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits) Grade Method: REG/AUD.

0101	William Nolte	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 1203

PUAF698F **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**

Contact department for information to register for this course.

PUAF698L **Selected Topics in Public Affairs; International Environment Agreements**

PUAF698L Selected Topics in Public Affairs: International Environment Agreements; (3 credits) Grade Method: REG/AUD.

0101	Thomas Hilde	Seats (Total: 22)
	W 4:15pm - 6:45pm	VMH 1101

PUAF698N **Selected Topics in Public Affairs; intelligence and National Security**

Contact department for information to register for this course.

PUAF698O **Selected Topics in Public Affairs; Ethics, Development and Foreign Aid**

PUAF698O Selected Topics in Public Affairs: Ethics, Development and Foreign Aid; (3 credits) Grade Method: REG/AUD.

0101	David Crocker	Seats (Total: 22)
	W 1:30pm - 4:00pm	VMH 1203

PUAF698P **Selected Topics in Public Affairs; Information Policy & Technology**

PUAF698P Selected Topics in Public Affairs: Information Policy & Technology; (3 credits) Grade Method: REG/AUD.

0101	Christopher McGoff	Seats (Total: 20)
	M 9:15am - 11:45am	VMH 1107

PUAF698R **Selected Topics in Public Affairs; Developmental Challenges**

PUAF698R Selected Topics in Public Affairs: Developmental Challenges; (3 credits) Grade Method: REG/AUD.

0101	Richard Messick M 9:15am - 11:45am	Seats (Total: 20) Location: TBA

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

PUAF698T Selected Topics in Public Affairs: Managing Across Sectors; (3 credits) Grade Method: REG/AUD.

0101	Elizabeth Duke M 1:30pm - 4:00pm	Seats (Total: 20) Location: TBA

PUAF698W **Selected Topics in Public Affairs; Wildlife Conservation**

PUAF698W Selected Topics in Public Affairs: Wildlife Conservation; (3 credits) Grade Method: REG/AUD.

0101	Gerald Winegrad M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1107

PUAF699A **Selected Topics Public Policy; Leaderships in Groups and Organizations**
Contact department for information to register for this course.

PUAF699D **Selected Topics Public Policy; Disease, Disasters and Development**

PUAF699D Selected Topics Public Policy: Disease, Disasters and Development; (3 credits) Grade Method: REG/AUD.

0101	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107

PUAF699E **Selected Topics Public Policy; Financial Systems and Control**

PUAF699E Selected Topics Public Policy: Financial Systems and Control; (3 credits) Grade Method: REG/AUD.

0101	Stephen Varholy	Seats (Total: 22)
	Tu 4:15pm - 6:45pm	VMH 1203

PUAF699F **Selected Topics Public Policy; Ethical Dimensions of Public Leadership**

PUAF699F Selected Topics Public Policy: Ethical Dimensions of Public Leadership; (3 credits) Grade Method: REG/AUD.

0101	Nina Harris	Seats (Total: 16)
	Th 4:15pm - 6:45pm	VMH 2101F

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organization**
Contact department for information to register for this course.

PUAF699K **Selected Topics Public Policy; Civil Conflict and Terrorism**

PUAF699K Selected Topics Public Policy: Civil Conflict and Terrorism; (3 credits) Grade Method: REG/AUD.

0101	John Steinbruner	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	VMH 1101

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**
Contact department for information to register for this course.

PUAF699M **Selected Topics Public Policy; Acquisitions in National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699Q **Selected Topics Public Policy; Demography, Development and Social Policy**

PUAF699Q Selected Topics Public Policy: Demography, Development and Social Policy; (3 credits) Grade Method: REG/AUD.

0101	John Haaga	Seats (Total: 20)
	Tu 7:00pm - 9:30pm	VMH 1101

PUAF699R **Selected Topics Public Policy; Critical Thinking for Analysts**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699V **Selected Topics Public Policy; Homeland Security**

PUAF699V Selected Topics Public Policy: Homeland Security; (3 credits) Grade Method: REG/AUD.

0101	William Lahneman Th 1:30pm - 4:00pm	Seats (Total: 17) VMH 2101F

PUAF699Z **Selected Topics Public Policy; Energy Policy**

PUAF699Z Selected Topics Public Policy: Energy Policy; (3 credits) Grade Method: REG/AUD.

0101	Nathan Hultman M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Samuel McCann M 7:00pm - 9:30pm	Seats (Total: 20) Location: TBA
0201	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 20) Location: TBA
0301	Kenneth Apfel W 1:30pm - 4:00pm	Seats (Total: 20) Location: TBA

PUAF717 **Federal Budgeting: Policy and Process**

PUAF717 Federal Budgeting: Policy and Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

0101	Philip Joyce W 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: For PUAF majors only or permission of department. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1203

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF732 **Policy and Politics of Education Reform**

PUAF732 Policy and Politics of Education Reform; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examines education reform in its historical, fiscal, cultural, and legal contexts, and the changing relationship between education and economic opportunity. Focuses on institutional and normative issues, including national standards, public school choice, charter schools, vouchers and funding equity.

0101	Betty Malen W 4:15pm - 7:00pm	Seats (Total: 24) EDU 2102

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Peter Reuter Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF740 **Public Policy and the Environment**

PUAF740 Public Policy and the Environment; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

0101	Robert Nelson W 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA
0201	Robert Nelson Th 9:15am - 11:45am	Seats (Total: 24) VMH 1203

PUAF743 **Ecological Economics**

PUAF743 Ecological Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Course is based upon the text Valuing the Earth: Economics, Ecology, and Ethics.

0101	Matthias Ruth Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1203

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) Location: TBA

PUAF746 **Dynamic Modeling for Environmental Investment and Policy Making**

PUAF746 Dynamic Modeling for Environmental Investment and Policy Making; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Formerly PUAF698M. Examines the theory, methods and tools to dynamic modeling for policy and investment decision making, with special focus on environmental issues. Provides extensive hands-on modeling experience and makes use of state-of-art computing methods to translate theory and concepts into executable models.

0101	Matthias Ruth Th 1:30pm - 4:15pm	Seats (Total: 25) VMH 1101

PUAF753 **Advanced Negotiations**

PUAF753 Advanced Negotiations; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF752. Credit will be granted for only one of the following: PUAF698C or PUAF753. Formerly PUAF698C. Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

0101	Charles Field M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF770 **Seminar in Housing and Community Development Strategies**

PUAF770 Seminar in Housing and Community Development Strategies; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

0101	John Pitchford, Jacqueline Rogers Th 7:00pm - 9:30pm	Seats (Total: 24) Location: TBA

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0201	I M Mac Destler M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Soumya Chattopadhyay M 4:15pm - 6:45pm Th 4:15pm - 6:45pm	Seats (Total: 27) VMH 1207 VMH 1207	 Discussion
0201	Phillip Swagel M 9:15am - 11:45am Th 7:00pm - 9:30pm	Seats (Total: 24) VMH 1203 PKT 1221	 Discussion

PUAF782 **International Development Economics**

PUAF782 International Development Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Credit will be granted for only one of the following: PUAF698U or PUAF782. Formerly PUAF698U. Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Sherman Robinson M 7:00pm - 10:00pm	Seats (Total: 25) Location: TBA

PUAF790 **Project Course**

PUAF790 Project Course; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

0101	Jacqueline Rogers Contact instructor or department for details. *For students in MFL specialization.*	Seats (Total: 30)

0201	Douglas Call, Douglas Besharov W 9:15am - 11:45am *For students in SOC specialization.*	Seats (Total: 30) VMH 1207
0211	Douglas Call, Douglas Besharov W 9:15am - 11:45am	Seats (Total: 15) VMH 1203
0301	Robert Nelson Contact instructor or department for details. *For students in ENV specialization.*	Seats (Total: 30)
0401	I M Mac Destler, Jonas Siegel Th 10:00am - 12:30pm *For students in ISEP specialization.*	Seats (Total: 40) VMH 1207
0501	Kevin Jones, Susan Schwab, Madiha Afzal Th 9:15am - 11:45am *For students in IDEV specialization.*	Seats (Total: 40) Location: TBA

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798C **Readings in Public Policy; International Law and Institutions**

PUAF798C Readings in Public Policy: International Law and Institutions; (3 credits) Grade Method: REG/AUD.

0101	Daniel Levine M 9:15am - 11:45am	Seats (Total: 18) VMH 1101

PUAF798E **Readings in Public Policy; Introduction to Policy Analysis**

PUAF798E Readings in Public Policy: Introduction to Policy Analysis; (3 credits) Grade Method: REG/AUD.

0101	Douglas Besharov, Douglas Call, Peter Germanis W 7:00pm - 9:30pm W 9:30pm - 10:00pm *Primarily for students in Social Policy*	Seats (Total: 46) VMH 1207 VMH 1207	Discussion
0201	Peter Germanis, Douglas Call, Douglas Besharov Contact instructor or department for details. *Primarily for students in International Development*	Seats (Total: 15)	
0301	Peter Germanis, Douglas Besharov, Douglas Call W 7:00pm - 10:00pm	Seats (Total: 20) VMH 3330H	

PUAF798G **Readings in Public Policy; Health Economics and Analysis**

PUAF798G Readings in Public Policy: Health Economics and Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jack Meyer W 1:00pm - 3:45pm	Seats (Total: 25) SPH 0308

PUAF798L **Readings in Public Policy; Environmental Law and Finance**

PUAF798L Readings in Public Policy: Environmental Law and Finance; (3 credits) Grade Method: REG/AUD.

0101	Frances Dubrowski Tu 7:00pm - 9:30pm	Seats (Total: 20) Location: TBA

PUAF798R **Readings in Public Policy; Quantitative Research Methods and Public Policy**

PUAF798R Readings in Public Policy: Quantitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Public Policy PhD student or permission of instructor.

0101	Carol Graham W 5:00pm - 7:30pm	Seats (Total: 20) Location: TBA

PUAF798T **Readings in Public Policy; Sustainable Development, Democracy and Human Rights in Peru**
Contact department for information to register for this course.

PUAF798W **Readings in Public Policy; Climate Change Adaptation and Security**

PUAF798W Readings in Public Policy: Climate Change Adaptation and Security; (3 credits) Grade Method: REG/AUD.

0101	Elizabeth Malone Tu 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF798Y **Readings in Public Policy; Non-Profit Management**

PUAF798Y Readings in Public Policy: Non-Profit Management; (3 credits) Grade Method: REG/AUD.

0101	Robert Grimm Th 7:00pm - 9:30pm	Seats (Total: 22) Location: TBA

PUAF798Z **Readings in Public Policy; Qualitative Research Methods and Public Policy**

PUAF798Z Readings in Public Policy: Qualitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Peter Reuter F 4:15pm - 6:45pm	Seats (Total: 20) VMH 1107

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Spring 2012

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG/AUD.
For RDEV majors or others with permission of department. Credit will be granted for only one of the following: RDEV630, RDEV688B, or URSP664. Formerly RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Michael Daugard	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	ARC 1101

RDEV635 **Capital Markets and Real Estate Investments for Developers**

RDEV635 *(PermReq)* **Capital Markets and Real Estate Investments for Developers; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Prerequisite: RDEV630, RDEV688B, or URSP664. Credit will be granted for only one of the following: RDEV635 or RDEV688F. Formerly RDEV688F. An advanced course in real estate finance focusing on capital markets and complex financing mechanism in the public and private markets for raising capital for development of public, private and public/private projects.

0101	Maria Day-Marshall	Seats (Total: 22)
	W 7:00pm - 9:40pm	ARC 1101

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

RDEV650 *(PermReq)* **Essentials of Design and Construction Management for Development Professionals; (3 credits)** Grade Method: REG/AUD.
For RDEV majors or permission of department. Corequisite: RDEV640 and RDEV610. Credit will be granted for only one of the following: RDEV650 or RDEV688C. Formerly RDEV688C. Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Matthew O'Malley	Seats (Total: 20)
	M 7:00pm - 9:40pm	ARC 1103

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Click here for more course information.

0101	Christopher Naughten	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1101

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

RDEV688G *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of the department. Click here for more course information.

0101	Mary Konsoulis	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Click here for more course information.

0101	Margaret McFarland, Julie Smith Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1119
0102	Jacqueline Rogers, Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1117
0103	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125
0104	Margaret McFarland, Douglas Lashley Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127
0105	Margaret McFarland, James Agliata Tu 7:00pm - 9:40pm	Seats (Total: 10) JMZ 3118
0106	Margaret McFarland, Alfred Tetrault Tu 7:00pm - 9:40pm	Seats (Total: 25) JMZ 0205
0107	Margaret McFarland, Michael Johnson Contact instructor or department for details.	Seats (Total: 10)

RDEV688N **Selected Topics in Real Estate Development; Microeconomics of Real Estate and Land Planning**

RDEV688N Selected Topics in Real Estate Development: Microeconomics of Real Estate and Land Planning; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Sabyasachee Mishra W 7:00pm - 9:40pm	Seats (Total: 30) ARC 1103

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Germano Gomez, Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1101

RDEV689B **Current Topics in Real Estate Development; Financing and Investing with Historic, Low-Income and New Market Tax Credits**

RDEV689B *(PermReq)* **Current Topics in Real Estate Development: Financing and Investing with Historic, Low-Income and New Market Tax Credits; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department; must have completed one of the following: URSP664, RDEV688B, or RDEV630. Preferable to have completed RDEV688F. Click here for more course information.

0101	Alfred Tetrault M 7:00pm - 9:40pm	Seats (Total: 18) ARC 1105

RDEV689D **Current Topics in Real Estate Development; Design and Development Project Competition**

RDEV689D *(PermReq)* **Current Topics in Real Estate Development: Design and Development Project Competition; (1 credit)** Grade Method: REG/AUD.

0101	Margaret McFarland W 7:00pm - 10:00pm	Seats (Total: 12) ARC 1123

RDEV689J **Current Topics in Real Estate Development; Corporate Real Estate Acquisitions and Operations**

RDEV689J Current Topics in Real Estate Development: Corporate Real Estate Acquisitions and Operations; (3 credits) Grade Method: REG/AUD.

0101	James King Th 7:00pm - 9:40pm	Seats (Total: 19) ARC 1125

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y *(PermReq)* **Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits)** Grade Method: REG/AUD.

0101	Margaret McFarland Contact instructor or department for details.	Seats (Total: 5)

RELS Religious Studies Spring 2012

RELS236 **Philosophy of Religion**

RELS236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. *Also offered as PHIL236. Credit will be granted for only one of the following: PHIL236 or RELS236.* A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Allen Stairs MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 EDU 1107	 Discussion
0102	Allen Stairs MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 SYM 0209	 Discussion
0103	Allen Stairs MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TLF 1101	 Discussion

RELS269B **Special Topics in Study Abroad II; Buddhism and Culture**
Contact department for information to register for this course.

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**
Contact department for information to register for this course.

RELS289I **What is Religion?**

RELS289I What is Religion?; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Maxine Grossman TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 SYM 0215	 Discussion
0102	Maxine Grossman TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 EGR 0309	 Discussion

0103	Maxine Grossman TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion

RELS319W **Special Topics in Religious Studies; Studies in Contemporary Philosophy: World Philosophy**

RELS319W Special Topics in Religious Studies: Studies in Contemporary Philosophy: World Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as PHIL308W.

0101	James Maffie MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 SQH 1119	Discussion
0102	James Maffie MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 SKN 1115	Discussion
0103	James Maffie MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 1115	Discussion

RELS341 **Europe in the High Middle Ages: 1000-1500**

RELS341 Europe in the High Middle Ages: 1000-1500; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST331. Credit will be granted for only one of the following: HIST331 or RELS341. Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

0101	Janna Bianchini TuTh 11:00am - 12:15pm	Seats (Total: 45) KEY 0126	

RELS343 **The European Reformations**

RELS343 The European Reformations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST111, HIST112, or permission of instructor. Also offered as HIST333. Credit will be granted for only one of the following: HIST333 or RELS343.* Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Philip Soergel MW 2:00pm - 3:15pm	Seats (Total: 45) KEY 1117

RELS369C **Special Topics in Study Abroad III; Between Tolerance and Conflict**
Contact department for information to register for this course.

RELS369L **Special Topics in Study Abroad III; Society and Religion in Latin America**
Contact department for information to register for this course.

RELS369Z **Special Topics in Study Abroad III; All Roads Lead to Rome**
Contact department for information to register for this course.

RELS419D **Advanced Topics in Religious Studies; Islam in Europe**

RELS419D Advanced Topics in Religious Studies: Islam in Europe; (3 credits) Grade Method: REG/P-F/AUD.
Also offered HIST419D. Credit will be granted for only one of the following HIST419D or RELS419D.

0101	Madeline Zilfi TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

RELS419L **Advanced Topics in Religious Studies; Asian Religions in American Culture**

RELS419L Advanced Topics in Religious Studies: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498V and AMST418L.

0101	John Caughey TuTh 11:00am - 12:15pm	Seats (Total: 35) HZF 0101

RELS499 **Independent Study in Religious Studies**

RELS499 *(PermReq)* **Independent Study in Religious Studies; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Maxine Grossman Contact instructor or department for details.	Seats (Total: 5)

RUSS Russian Spring 2012

RUSS102 **Intensive Elementary Russian II**

RUSS102 Intensive Elementary Russian II; (6 credits) Grade Method: REG.
Not open to native speakers of Russian. Prerequisite: RUSS101 or RUSS102 or equivalent or appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: RUSS102; or RUSS113 and RUSS114. A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

0101	Zhanna Gerus-Vernola MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1215 JMZ 3205
0201	Zhanna Gerus-Vernola MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1215 JMZ 3205

RUSS202 **Intermediate Russian II**

RUSS202 Intermediate Russian II; (5 credits) Grade Method: REG. CORE Humanities (HO) Course.
Not open to native speakers of Russian. Prerequisite: RUSS201 or appropriate Foreign Language Placement Testing (FLPT) score. Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

0101	Cynthia Martin MW 9:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 15) JMZ 3122 JMZ 3120

RUSS204 **Russian for Heritage Speakers**

RUSS204 Russian for Heritage Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS203 or heritage knowledge of Russian equal to or higher than minimum 1 year of UMD language classes or appropriate Foreign Language Placement Testing (FLPT) score. For Russian heritage speakers (Russian speakers who grew up outside of Russia) with different levels of Russian, wanting to gain literacy and improve their Russian overall.

0101	Marianna Landa	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 2125

RUSS221 **Masterworks of Russian Literature I**

RUSS221 Masterworks of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Introduction to the classics of Russian literature in translation, beginning with Pushkin in the early 19th century and concluding with works of Dostoevsky and Tolstoy in the latter part of the century. Taught in English.

0101	Maria Lekic	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK 0105

RUSS298K **Soviet Film: Propaganda, Myth and Modernism**

RUSS298K Soviet Film: Propaganda, Myth and Modernism; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Taught in English. Click here for more course information.

0101	Elizabeth Papazian	Seats (Total: 35)
	M 1:00pm - 1:50pm	HBK 0302H
	W 1:00pm - 4:00pm	HBK 0302H

RUSS302 **Advanced Russian II**

RUSS302 Advanced Russian II; (3 credits) Grade Method: REG.
Prerequisite: RUSS301. Advanced training in written Russian communicative structures.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3120

RUSS303 **Russian Conversation: Functional Skills**

RUSS303 Russian Conversation: Functional Skills; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202 or equivalent. Intended for students who do not anticipate having the opportunity to study in Russian. Skills for daily life (both function and etiquette) and argumentation (rhetoric).

0101	Marianna Landa	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1124

RUSS386 **Experiential Learning**

RUSS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS402 **Practicum in Written Russian**

RUSS402 Practicum in Written Russian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS401 or equivalent. Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	HBK 1108

RUSS409O **Selected Topics in Russian Language Study; Old Church Slavonic**

RUSS409O Selected Topics in Russian Language Study: Old Church Slavonic; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Hitchcock TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1123

RUSS412 **Linguistic Analysis of Russian II**

RUSS412 Linguistic Analysis of Russian II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS411. Continuation of RUSS411. The syntax of the complete sentence, semantics.

0101	Donald Hitchcock TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

RUSS499 **Independent Study in Russian**

RUSS499 *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS499B **Independent Study in Russian; Majors' Colloquium**

RUSS499B Independent Study in Russian: Majors' Colloquium; (1 credit) Grade Method: REG.
For Russian majors in RUSS302 or above. Taught in Russian.

0101	Elizabeth Papazian M 2:00pm - 2:50pm	Seats (Total: 10) HBK 0123

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Spring 2012

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA742 **Second Language Processing**

SLAA742 Second Language Processing; (3 credits) Grade Method: REG/AUD. *Prerequisite: MA students need permission of instructor.* Covers leading theoretical approaches and experimental methods in second language processing. Draws on research and theories in Second Language Acquisition (SLA), formal linguistics, cognitive grammar, psycholinguistics, and neurolinguistics.

0101	Nan Jiang	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	PHY 1204

SLAA749P **Special Topics in Second Language Learning; Practice and Skill Acquisition**

SLAA749P Special Topics in Second Language Learning: Practice and Skill Acquisition; (3 credits) Grade Method: REG/AUD.

0101	Robert De Keyser	Seats (Total: 15)
	W 4:00pm - 6:30pm	JMZ 1117

SLAA750 **Instructed Second Language Acquisition**

SLAA750 Instructed Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610. Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.

0101	Michael Long	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 3120

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (3 credits) Grade Method: REG/AUD.

0101	Kira Gor	Seats (Total: 20)
	Th 5:00pm - 7:30pm	JMZ 1117

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAV Slavic Spring 2012

SLAV386 **Experiential Learning**

SLAV386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

SLAV475 **Old Church Slavonic**

SLAV475 Old Church Slavonic; (3 credits) Grade Method: REG/P-F/AUD. Introduction to the language of the oldest recorded Slavic documents. Historical presentation of phonology, morphology, and syntax; reading of texts.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

SLAV499 **Directed Study**

SLAV499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC309 **Languague Partner Program**

SLLC309 *(PermReq)* **Languague Partner Program; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC368A **Special Topics in Film Studies I; Vision, Visuality, and the Gaze in Cinema**

SLLC368A Special Topics in Film Studies I: Vision, Visuality, and the Gaze in Cinema; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eric Zakim	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PLS 1119

SLLC368B **Special Topics in Film Studies I; Comedy in Film**

SLLC368B Special Topics in Film Studies I: Comedy in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Luka Arsenjuk	Seats (Total: 35)
	MW 10:00am - 11:50am	HBK 0302J

SLLC386 **Experiential Learning**

SLLC386 Experiential Learning; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

SLLC698 **Special Topics in Interdisciplinary Studies**

SLLC698 Special Topics in Interdisciplinary Studies; (1 credit) Grade Method: REG/AUD.

PC01	Valerie Anishchenkova	Seats (Total: 5)
	Contact instructor or department for details.	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.	

SLLC698C **Special Topics in Interdisciplinary Studies; Crime and Cinema**

SLLC698C Special Topics in Interdisciplinary Studies: Crime and Cinema; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788C and HIST819E. Class meets on Fridays from 2:00-4:00pm on the following dates: February 10, March 2, March 16, and April 27 in HBK 0302H.

0101	Elizabeth Papazian	Seats (Total: 20)
	Meets February 10, 2012 - April 27, 2012	
	Contact instructor or department for details.	

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**
Contact department for information to register for this course.

SOCY Sociology Spring 2012

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0301	Nicholas Pagnucco MWF 11:00am - 11:50am	Seats (Total: 60) ASY 2309	
0401	Jillet Sam MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213	
0501	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 21) ASY 2203 ASY 3207	 Discussion
0502	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 EDU 2102	 Discussion
0503	Lester Andrist MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 ASY 3203	 Discussion
0505	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3219	 Discussion
0506	Lester Andrist MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3217	 Discussion
0509	Lester Andrist MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3219	 Discussion
0601	Lester Andrist TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 22) ASY 2203 EDU 1107	 Discussion

0602	Lester Andrist TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3221	Discussion
0603	Lester Andrist TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 ASY 3207	Discussion
0604	Lester Andrist TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 EDU 2119	Discussion
0605	Lester Andrist TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0606	Lester Andrist TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0607	Lester Andrist TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0608	Lester Andrist TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 EDU 2119	Discussion
0609	Lester Andrist TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 EDU 2101	Discussion
0801	Michelle Smirnova TuTh 3:30pm - 4:45pm	Seats (Total: 47) ASY 3203	

SOCY105 Introduction to Contemporary Social Problems

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Heather Marsh TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 2309
0201	Jill McLeigh MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3207
0301	Zsuzsa Daczo MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309
0401	Beverly Pratt MWF 9:00am - 9:50am	Seats (Total: 60) TWS 1105
0501	Tyler Myroniuk MWF 8:00am - 8:50am	Seats (Total: 47) ASY 3203
0601	Zsuzsa Daczo MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0701	Kendra Barber MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309
0801	Sarah Wanenchak TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0901	William Yagatich TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213

SOCY105H **Introduction to Contemporary Social Problems**

SOCY105H Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Margaret Smith TuTh 11:00am - 12:15pm	Seats (Total: 25) ASY 3219	

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 20) ASY 2309 LEF 0221	 Lab
0102	Alan Neustadtl TuTh 11:00am - 12:15pm M 10:00am - 11:50am	Seats (Total: 20) ASY 2309 LEF 0221	 Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 LEF 0221	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 LEF 0221	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Kris Marsh TuTh 8:00am - 9:15am M 9:00am - 10:45am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0102	Kris Marsh TuTh 8:00am - 9:15am M 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0103	Kris Marsh TuTh 8:00am - 9:15am F 9:00am - 10:45am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Kris Marsh TuTh 8:00am - 9:15am F 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100. Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for all SOCY majors.

0101	Paul Dean MW 2:00pm - 3:15pm	Seats (Total: 80) ASY 2309	
0201	Nicholas Pagnucco MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213	

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	David Strohecker MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Amy Baxter TuTh 2:00pm - 3:15pm	Seats (Total: 180) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Mark Gross MWF 11:00am - 11:50am	Seats (Total: 47) ASY 3207
0201	Scott Albrecht TuTh 3:30pm - 4:45pm	Seats (Total: 39) ASY 3211

SOCY258L **Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture and Identity**
Contact department for information to register for this course.

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Michelle Sandhoff TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Ann Forsythe TuTh 12:30pm - 1:45pm	Seats (Total: 60) KEY 1117
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Perry Threlfall MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0501	Ann Forsythe TuTh 3:30pm - 4:45pm	Seats (Total: 47) ASY 3207
0601	Nihal Celik MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213

SOCY358C **Special Topics in Study Abroad III; Livability in the Modern City**
Contact department for information to register for this course.

SOCY358D	**Special Topics in Study Abroad III; Social Problems: Women's Issues (in Indian Society)** **Contact department for information to register for this course.**
SOCY358E	**Special Topics in Study Abroad III; Contemporary European Film: The Individual and Society** **Contact department for information to register for this course.**
SOCY358F	**Special Topics in Study Abroad III; Sociology of Contemporary Italy** **Contact department for information to register for this course.**
SOCY358G	**Special Topics in Study Abroad III; Sociology and Gender Studies: A Global Perspective** **Contact department for information to register for this course.**
SOCY358I	**Special Topics in Study Abroad III; The Social Context of HIV/AIDS in Africa** **Contact department for information to register for this course.**
SOCY358M	**Special Topics in Study Abroad III; Muslims in the West** **Contact department for information to register for this course.**
SOCY358V	**Special Topics in Study Abroad III; Gender Studies: A Global Perspective** **Contact department for information to register for this course.**
SOCY358W	**Special Topics in Study Abroad III; Spanish Gender Issues** **Contact department for information to register for this course.**
SOCY358X	**Special Topics in Study Abroad III; Spanish Gender Studies** **Contact department for information to register for this course.**
SOCY358Y	**Special Topics in Study Abroad III; Language, Youth and Society** **Contact department for information to register for this course.**
SOCY381	**Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398C **Special Topics in Sociology; Transitions from Undergraduate to Professional**

SOCY398C Special Topics in Sociology: Transitions from Undergraduate to Professional; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nicole De Loatch	Seats (Total: 20)
	M 12:00pm - 1:50pm	ASY 3219

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)**
Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Mark Gross	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY398O **Special Topics in Sociology; Studying Society through Cultural Texts: The Israeli Case**

SOCY398O Special Topics in Sociology: Studying Society through Cultural Texts: The Israeli Case; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL449C. Examines four important aspects of Israeli society as they are portrayed in Israeli culture, and the differences between their representations in culture and "reality."

0101	Yuval Benziman	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 3106

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY399G **Independent Study in Sociology; Social Policy, Social Exclusion**
Contact department for information to register for this course.

SOCY401 **Intermediate Statistics for Sociologists**

SOCY401 Intermediate Statistics for Sociologists; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201 or equivalent or permission of department. Not open to students who have completed ENEE324, BMGT231, or STAT400. Issues in the use of significance tests in sociology, one and two-way analysis of variance, elements of multiple regression and correlation, techniques for the analysis of nominal and ordinal data.

0101	Alan Neustadtl TuTh 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 25) ASY 3203

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Feinian Chen TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3203

SOCY411 **Demographic Techniques**

SOCY411 Demographic Techniques; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY201 or equivalent and SOCY 410; or permission of department.* Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn MW 2:00pm - 3:15pm	Seats (Total: 25) ASY 3219

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology course work. Formerly SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Michael Rendall TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3203

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0201	Kris Marsh	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3207

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Nathan Jurgenson	Seats (Total: 35)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ASY 3207

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	Kathleen Denny	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	ASY 3203

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 100)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Gheda Temsah	Seats (Total: 35)
	TuTh 9:30am - 10:45am	ASY 3207

SOCY458T **Special Topics in Study Abroad IV; Human Trafficking in a Global Context**
Contact department for information to register for this course.

SOCY458Z **Special Topics in Study Abroad IV; Gender and Sexuality in Scandinavia**

Contact department for information to register for this course.

SOCY460 **Sociology of Work**

SOCY460 Sociology of Work; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Analysis of the American work world with special attention to the impact of social change and occupational conflicts on the individual worker. Professionalization, career patterns, problems of minority groups and the future of work.

0101	Joseph Lengermann	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 1213

SOCY464 **Military Sociology**

SOCY464 Military Sociology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

0101	David Segal	Seats (Total: 30)
	MW 2:00pm - 3:15pm	ASY 3207

SOCY467 **Sociology of Education**
Contact department for information to register for this course.

SOCY498 **Selected Topics in Sociology**
Contact department for information to register for this course.

SOCY498K **Selected Topics in Sociology; Youth, Resistance, and Social Control**
Contact department for information to register for this course.

SOCY498L **Selected Topics in Sociology; Global Social Policy**
Contact department for information to register for this course.

SOCY498P **Selected Topics in Sociology; Sociology of Cities**
Contact department for information to register for this course.

SOCY498V **Selected Topics in Sociology; Contemporary Social Theory**
Contact department for information to register for this course.

SOCY498Y **Selected Topics in Sociology; Explaining Social Change: Comparative and Historical Method**

SOCY498Y Selected Topics in Sociology: Explaining Social Change: Comparative and Historical Method; (3 credits) Grade Method: REG/P-F/AUD.

0101	Meyer Kestnbaum	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	KNI 1105

SOCY498Z **Selected Topics in Sociology; Pratical Sociology**
Contact department for information to register for this course.

SOCY601 **Statistics For Sociological Research I**

SOCY601 Statistics For Sociological Research I; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 201 or equivalent, and permission of instructor or graduate director. Credit will be granted for only one of the following: SOCY 601 and SURV 601. Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used.

0101	Meredith Kleykamp	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ASY 1101

SOCY611 **Introduction to Demographic Methods**

SOCY611 Introduction to Demographic Methods; (3 credits) Grade Method: REG/AUD.
Survey of standard demographic methods for the description and analysis of population size, structure and composition, including techniques for the analysis of fertility, mortality and migration.

0101	Joan Kahn	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 3203

SOCY642 **The Sociology of Mental Health**

SOCY642 The Sociology of Mental Health; (3 credits) Grade Method: REG/AUD. Social factors that influence mental health. Group dynamics of mental health preservation.

0101	Melissa Milkie M 3:30pm - 6:00pm	Seats (Total: 20) ASY 1117

SOCY644 **Gender, Work, and Family**

SOCY644 Gender, Work, and Family; (3 credits) Grade Method: REG/AUD. The interrelationships among gender, work, and family in contemporary societies. Major research issues addressed from an interdisciplinary and comparative (international) perspective.

0101	Philip Cohen Tu 6:30pm - 9:00pm	Seats (Total: 20) ASY 1101

SOCY660 **Theories of Social Psychology**

SOCY660 Theories of Social Psychology; (3 credits) Grade Method: REG/AUD. *Prerequisite: undergraduate training in sociological research methods, statistics, and theory or equivalent.* An introduction to some of the theories in social psychology that are particularly useful to sociologists. Topics to be covered include theories of cognitive consistency, social exchange, symbolic interaction, role theory, group processes, and collective behavior.

0101	Jeffrey Lucas Th 3:30pm - 6:00pm	Seats (Total: 20) ASY 1101

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Power, Inequality and Social Networks**

SOCY699A Special Social Problems: Power, Inequality and Social Networks; (3 credits) Grade Method: REG/AUD.

0101	Christina Prell Th 3:30pm - 6:00pm	Seats (Total: 20) ASY 1117

SOCY699C **Special Social Problems; Introduction to Computing for Sociologists**

SOCY699C Special Social Problems: Introduction to Computing for Sociologists; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl W 9:00am - 10:50am	Seats (Total: 10) LEF 0221

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	Feinian Chen Contact instructor or department for details.	Seats (Total: 10)

SOCY699G **Special Social Problems; Globalizing Theory**

SOCY699G Special Social Problems: Globalizing Theory; (3 credits) Grade Method: REG/AUD.

0101	Roberto Korzeniewicz M 3:30pm - 6:00pm	Seats (Total: 20) ASY 4111

SOCY699L **Special Social Problems; Diversity in the Military**

SOCY699L Special Social Problems: Diversity in the Military; (1-16 credits) Grade Method: REG/AUD.

0101	Meredith Kleykamp W 3:30pm - 6:00pm	Seats (Total: 20) ASY 1101

PC01	Meredith Kleykamp W 3:30pm - 6:10pm *Restricted to Navy LEAD cohorts (MPLD).*	Seats (Total: 15) ASY 1101

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	Kurt Finsterbusch Contact instructor or department for details.	Seats (Total: 10)

SOCY699N **Special Social Problems; Power, Status, and Leadership in Groups**

SOCY699N Special Social Problems: Power, Status, and Leadership in Groups; (3 credits) Grade Method: REG/AUD.

PC01	Jeffrey Lucas Tu 9:00am - 11:30am *Restricted to Navy LEAD cohorts (MPLD).*	Seats (Total: 20) ASY 1101

SOCY699P **Special Social Problems; Proseminar**

SOCY699P Special Social Problems: Proseminar; (1 credit) Grade Method: REG/AUD.

0101	Roberto Korzeniewicz M 12:00pm - 12:50pm	Seats (Total: 20) ASY 1117

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl Contact instructor or department for details.	Seats (Total: 10)

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699T **Special Social Problems; Teaching Sociology**

SOCY699T Special Social Problems: Teaching Sociology; (1 credit) Grade Method: REG.

0101	John Pease	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699X **Special Social Problems; Methodologies of Social Research**

SOCY699X Special Social Problems: Methodologies of Social Research; (3 credits) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 20)
	Tu 3:30pm - 6:10pm	ASY 4111

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY709D **Advanced Special Topics in Data Analysis; Advanced Social Statistics**

SOCY709D Advanced Special Topics in Data Analysis: Advanced Social Statistics; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Michael Rendall	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 1101

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY839 **Research Seminar in Organizations and Occupations**

SOCY839 Research Seminar in Organizations and Occupations; (1 credit) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	David Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Spring 2012

SPAN103 **Intensive Elementary Spanish**

Students with no experience in the language are invited to register for SPAN103. **SPAN103 Intensive Elementary Spanish; (4 credits)** Grade Method: REG/P-F/AUD. *Not open to fluent/native speakers of Spanish. Prerequisite: Appropriate Foreign Language Placement Testing (FLPT) score. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Limited exceptions may be granted for students with weak preparation or several years' lapse since the study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, JMZ 2202.

0101	Luis Charry MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0103 JMZ 0103
0201	Lina Morales Chacana MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0122 JMZ 0103
0301	Lina Morales Chacana MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0103 JMZ 0103

0401	Carla Onate MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103 JMZ 0103
0501	Carla Onate MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0122 JMZ 1124

SPAN169L **Special Topics in Study Abroad I; Spanish Language A1**
Contact department for information to register for this course.

SPAN169M **Special Topics in Study Abroad I; Spanish Language A2**
Contact department for information to register for this course.

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**
Contact department for information to register for this course.

SPAN169P **Special Topics in Study Abroad I; Beginner Spanish II**
Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to fluent/native speakers of Spanish. Prerequisite: SPAN103 or appropriate Foreign Language Placement Testing (FLPT) score. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Sebastian Bartis MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 0205 JMZ 0103

0201	Evelyn Canabal-Torres MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 0122 JMZ 0103
0301	Maria Gomez-Martin MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 0103
0401	Lisa Carney MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1124 JMZ 0103
0501	Maria Gomez-Martin MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1215 JMZ 0103
0601	Evelyn Canabal-Torres MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125 JMZ 0122
0701	Lisa Carney MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208 JMZ 1124

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to fluent/native speakers of Spanish. Prerequisite: SPAN203 or appropriate Foreign Language Placement Testing (FLPT) score. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Matthew Lewis MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0201	Julia Tomasini MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125
0301	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125

0401	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2117
0501	Carolina Gomez-Montoya MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1224 JMZ 0205

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or appropriate Foreign Language Placement Testing (FLPT) score.
Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0201	Karen Krausen MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Maggy Rodriguez MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1122
0401	Maggy Rodriguez MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1122
0501	Maria Becerril Longares MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122

SPAN207H **Reading and Writing in Spanish**

SPAN207H Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or appropriate Foreign Language Placement Testing (FLPT) score.
Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207

SPAN235 **Issues in Latin American Studies II**

SPAN235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT235 and LASC235. Credit will be granted for only one of the following: SPAN235 or PORT235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 35) BPS 1236
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) MTH 1313

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish 1**
Contact department for information to register for this course.

SPAN269B **Special Topics in Study Abroad II; B1 Intermediate Level Spanish 2**
Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intensive Intermediate Spanish**
Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**
Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0301	Douglas Glynn MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1122
0401	Andrew Milacci MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 3203
0501	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0103
0601	Anne Giller-Wilde MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 3203
BL01	Oscar Santos Sopena MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2206 *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*
BL02	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2123 *One of the "Blended Initiative" Courses for Spring 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.*

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Leonardo Solano Moraga MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2120

0201	Leonardo Solano Moraga MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2120
0301	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2120
0401	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2120

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Carmen Benito-Vessels MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 3120
0201	Laura Quijano TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1120
0301	Kathryn Taylor MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2207
0401	Rocio Gordon MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1124
0501	Rocio Gordon MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 1124
0601	Maria Campero Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1215 JMZ 2123

SPAN306 **Spanish II for Native Speakers**

SPAN306 Spanish II for Native Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN206. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2117

SPAN307 **Oral Communication Skills for Native Speakers of Spanish**

SPAN307 Oral Communication Skills for Native Speakers of Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Development of techniques for formal public speaking in Spanish. Writing and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

0101	Evelyn Canabal-Torres MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

SPAN315 **Commercial Spanish I**
Contact department for information to register for this course.

SPAN317 **Translation II**

SPAN317 Translation II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN316. Translation of non-literary, non-technical texts into Spanish and/or English.

0101	Sofia Calzada-Orihuela MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0205
0201	Sofia Calzada-Orihuela MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0205

0301	Carolina Gomez-Montoya MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1117

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**
Contact department for information to register for this course.

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Mehl Penrose TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2207

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Jose Naharro-Calderon MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2122

SPAN335 **Cultural History of Seville**
Contact department for information to register for this course.

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**
Contact department for information to register for this course.

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Kathryn Taylor MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0103
0201	Saul Sosnowski TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 0122
0301	Norman Gonzalez MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0118

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Juan Carlos Quintero-Herencia MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0118
0201	Chila Hidalgo MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2117

SPAN369A **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**
Contact department for information to register for this course.

SPAN369B **Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**
Contact department for information to register for this course.

SPAN369F **Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**

SPAN369F Special Topics in Study Abroad III: Spanish Oral Skills through Theatre; (3 credits) Grade Method: REG/P-F/AUD.

EA15	Catherine Donohoe	Seats (Total: 0)
	Contact instructor or department for details.	

SPAN369G **Special Topics in Study Abroad III; Spanish for the Health Professional**
Contact department for information to register for this course.

SPAN369I **Special Topics in Study Abroad III; Advanced Studies in Spanish**
Contact department for information to register for this course.

SPAN369M **Special Topics in Study Abroad III; Spanish Language B2**
Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**
Contact department for information to register for this course.

SPAN369Q **Special Topics in Study Abroad III; Spanish Phonetics and Phonology**
Contact department for information to register for this course.

SPAN369R **Special Topics in Study Abroad III; Advanced Reading Skills in Spanish**
Contact department for information to register for this course.

SPAN369T **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

SPAN369V **Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage**
Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics / Advanced Spanish Writing and Stylistics**
Contact department for information to register for this course.

SPAN369Y **Special Topics in Study Abroad III; B2 Advanced Level Spanish 1**
Contact department for information to register for this course.

SPAN369Z **Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**
Contact department for information to register for this course.

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**
Contact department for information to register for this course.

SPAN402 **Advanced Composition II**
Contact department for information to register for this course.

SPAN408E **Great Themes of the Hispanic Literatures; Visions and Fictions in Contemporary Spain**

SPAN408E Great Themes of the Hispanic Literatures: Visions and Fictions in Contemporary Spain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jose Naharro-Calderon	Seats (Total: 25)
	MW 4:00pm - 5:15pm	JMZ 0205

SPAN408F **Great Themes of the Hispanic Literatures; U.S. Latina/Latino Languages of Latinidades**

SPAN408F Great Themes of the Hispanic Literatures: U.S. Latina/Latino Languages of Latinidades; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Rodriguez	Seats (Total: 25)
	Tu 9:30am - 10:45am	KEY 0124
	Th 9:30am - 10:45am	KEY 0120

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**
Contact department for information to register for this course.

SPAN408N **Great Themes of the Hispanic Literatures; Love, Science, Religion and the Pursuit of Criollo Independeence in 18th-Century Mexico**
Contact department for information to register for this course.

SPAN408O **Great Themes of the Hispanic Literatures; Reading the Present and Revisiting the Past: Narratives from the Southern Cone**

SPAN408O Great Themes of the Hispanic Literatures: Reading the Present and Revisiting the Past: Narratives from the Southern Cone; (3 credits) Grade Method: REG/P-F/AUD.

0101	Laura Demaria	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 0205

SPAN408P **Great Themes of the Hispanic Literatures; Inventing the Natural in the Nineteenth-Century Spanish Short Story**

SPAN408P Great Themes of the Hispanic Literatures: Inventing the Natural in the Nineteenth-Century Spanish Short Story; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mehl Penrose	Seats (Total: 25)
	Tu 2:00pm - 3:15pm	JMZ 0205
	Th 2:00pm - 3:15pm	JMZ 0120

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**
Contact department for information to register for this course.

SPAN408Z **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**
Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Mitos Literarios y Filosofia en la Tradicion Europea**
Contact department for information to register for this course.

SPAN409M	**Great Themes of the Hispanic Literatures; Contemporary Spain through Spanish Cinema** **Contact department for information to register for this course.**
SPAN409N	**Great Themes of the Hispanic Literatures; 20th Century Spanish History and Cinema** **Contact department for information to register for this course.**
SPAN409O	**Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema** **Contact department for information to register for this course.**
SPAN409W	**Great Themes of the Hispanic Literatures; Women Writers of Spain** **Contact department for information to register for this course.**
SPAN409Y	**Great Themes of the Hispanic Literatures; Filmmaking in Spain** **Contact department for information to register for this course.**
SPAN409Z	**Great Themes of the Hispanic Literatures; Spanish Film and Theatre** **Contact department for information to register for this course.**
SPAN415	**Commercial Spanish II**

SPAN415 Commercial Spanish II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN 315 or permission of department. Sophomore standing.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

0101	Fabian Faccio MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2122
0201	Fabian Faccio MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2122
0301	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122
0401	Fabian Faccio MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2122

SPAN422 **Cross-Cultural Communication**

SPAN422 Cross-Cultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN315. Junior standing. For SPAN majors only. Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

0101	Roberta Lavine	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2206

SPAN426 **Introduction to Hispanic Linguistics II: Language in Use**

SPAN426 Introduction to Hispanic Linguistics II: Language in Use; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN425. Also offered as SPAN626. Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

0101	Manel Lacorte	Seats (Total: 20)
	TuTh 4:30pm - 5:45pm	JMZ 2207

SPAN430 **Cervantes: Don Quijote**
Contact department for information to register for this course.

SPAN449A **Special Topics in Spanish Civilization; Spanish Civilization**
Contact department for information to register for this course.

SPAN449C **Special Topics in Spanish Civilization; History of Spain II: 20th Century**
Contact department for information to register for this course.

SPAN449J **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**
Contact department for information to register for this course.

SPAN449M **Special Topics in Spanish Civilization; Barcelona and Madrid: Contemporary Film and Theatre**
Contact department for information to register for this course.

SPAN449Q	**Special Topics in Spanish Civilization; 20th Century History of Spain and the Basque Country** **Contact department for information to register for this course.**
SPAN449Z	**Special Topics in Spanish Civilization; Literature and Cinema in the Contemporary City** **Contact department for information to register for this course.**
SPAN462	**Twentieth Century Drama** **Contact department for information to register for this course.**
SPAN464	**Contemporary Spanish Poetry** **Contact department for information to register for this course.**
SPAN466	**The Contemporary Spanish Novel** **Contact department for information to register for this course.**
SPAN469A	**Study Abroad Special Topics IV; Advanced Topics in Spanish Language** **Contact department for information to register for this course.**
SPAN469C	**Study Abroad Special Topics IV; Composition** **Contact department for information to register for this course.**
SPAN479	**Honors Thesis** **SPAN479** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
SPAN495	**Honors Reading** **SPAN495 Honors Reading; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: admittance to Spanish and Portuguese Honors or permission of department.* Supervised reading. **Contact department for information to register for this course.**
SPAN699	**Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN699B **Independent Study in Spanish; Theater Workshop II**

SPAN699B Independent Study in Spanish: Theater Workshop II; (1 credit) Grade Method: REG/AUD.

3250	Jose Naharro-Calderon	Seats (Total: 10)
	MW 7:30pm - 10:30pm	JMZ 2207

SPAN788R **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Ethnoexodus: Maya Yucatec Topographic Ruptures**

SPAN788R Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Ethnoexodus: Maya Yucatec Topographic Ruptures; (1 credit) Grade Method: REG/AUD.
Also offered as HIST619R. Credit will be granted for only one of the following: SPAN788R or HIST619R.

0101	Karin Rosemblatt	Seats (Total: 30)
	Meets April 4, 2012 - April 7, 2012	
	Contact instructor or department for details.	

SPAN788T **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Juan Ramon Jimenez Series**

SPAN788T Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Juan Ramon Jimenez Series; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

SPAN798A **Open Seminar; The Other Prose of Cervantes**

SPAN798A Open Seminar: The Other Prose of Cervantes; (3 credits) Grade Method: REG/AUD.

0101	Michael Gerli M 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2215F

SPAN798Q **Open Seminar; Poetics and literary politics in the Caribbean**

SPAN798Q Open Seminar: Poetics and literary politics in the Caribbean; (3 credits) Grade Method: REG/AUD.

0101	Juan Carlos Quintero-Herencia Tu 4:00pm - 6:30pm	Seats (Total: 10) JMZ 2215F

SPAN798V **Open Seminar; History of Spanish**

SPAN798V Open Seminar: History of Spanish; (3 credits) Grade Method: REG/AUD.

0101	Carmen Benito-Vessels W 4:00pm - 6:30pm	Seats (Total: 10) JMZ 3120

SPAN798W **Open Seminar; Latin American Poetics from Romanticism to Modernity**

SPAN798W Open Seminar: Latin American Poetics from Romanticism to Modernity; (3 credits) Grade Method: REG/AUD.

0101	Jorge Aguilar-Mora Th 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2122

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Spring 2012

SPHL298A **Applications in Public Health; School of Public Health Ambassador Program**

SPHL298A *(PermReq)* **Applications in Public Health: School of Public Health Ambassador Program; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Erin Caporellie M 5:30pm - 7:00pm	Seats (Total: 11) Location: TBA

SPHL402 **Public Health Emergency Preparedness**

SPHL402 Public Health Emergency Preparedness; (3 credits) Grade Method: REG/P-F/AUD.
Intensive introduction to public health emergency preparedness. Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural.

SG91	Jennifer Todd Tu 2:00pm - 4:50pm *Class meets at the Shady Grove campus.*	Seats (Total: 30) BLD3 3220

SPHL412 **Food, Policy, and Public Health**

SPHL412 Food, Policy, and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: NFSC100. Broad overview of the impact of food and food policy on public health. Course covers topics such as access to food, food systems, influence of food policies on the individual, the cost of food, influences on food selection, food safety risks and responses, nutrition-related health challenges, and a comparison of US food/nutrition issues with those of other nations. For school of public health students only. Class meets at the Shady Grove Campus

SG91	Sara Ducey M 2:30pm - 5:20pm	Seats (Total: 15) BLD3 2226

SPHL491 **Public Health Science Internship**

SPHL491 *(PermReq)* **Public Health Science Internship; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Public Health Science program students. Corequisite: SPHL498M. The Public Health Science internship will enable students to gain practical experience under conditions conducive to educational and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization. Students will be required to submit information to document their progress and experiences.

SG91	Jennifer Todd Contact instructor or department for details.	Seats (Total: 30)

SPHL498F **Special Topics in Public Health; Social, Political, and Ethical Issues of Public Health**

SPHL498F Special Topics in Public Health: Social, Political, and Ethical Issues of Public Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Deliya Wesley Tu 6:00pm - 8:50pm *Class is offered at Shady Grove campus. Registration by permission of instructor only.*	Seats (Total: 30) BLD3 3242

SPHL498G **Public Health in the City: Global and Domestic Perspectives on Health in the Urban Environment**

SPHL498G Public Health in the City: Global and Domestic Perspectives on Health in the Urban Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

Course will investigate the new and innovative thinking on why place matters in health and health outcomes. How does where you live impact your health? We will discuss such things as how the built environment impacts health. What is the impact of urban stress, violence, population density, overcrowding, and public health? Students will be encouraged to think about urban planning and policy, and why things are the way they are, as well as to think about innovative solutions to current problems of living in the city. Course design will be a hybrid of classroom and online learning using Wimba. Will meet at the Shady Grove Campus. Information will be provided on the first day of class.

One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

SG91	Deliya Wesley, Jennifer Todd W 3:00pm - 5:50pm	Seats (Total: 75) BLD3 3230

SPHL498L **Special Topics in Public Health; Fundamentals of Health Communication**

SPHL498L Special Topics in Public Health: Fundamentals of Health Communication; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Lynn Cook Tu 2:00pm - 4:50pm *Class meets at the Shady Grove campus.*	Seats (Total: 30) BLD3 3226

SPHL498M **Special Topics in Public Health; Public Health in Practice**

SPHL498M Special Topics in Public Health: Public Health in Practice; (3 credits) Grade Method: REG/P-F/AUD.

This is a co-requisite with SPHL491, section SG91. Students must registe r for both courses.

SG91	Blakely Pomietto, Jennifer Todd Th 3:30pm - 6:20pm	Seats (Total: 30) BLD3 2219

SPHL610 **Global Health Program Planning and Evaluation**

SPHL610 Global Health Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Recommended: SPHL600. Credit will be granted for only one of the following: SPHL610 or SPHL698D. Formerly SPHL698D. Development of health program and evaluation plans to address critical health problems in international settings, especially transitional or in-conflict countries. Emphasis on linking a tactical program plan to overall health problems of a nation, to include the policy and economic issues involved in assessment, implementation and evaluation.

0101	Muhiuddin Haider Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 1303
GH01	Muhiuddin Haider Th 4:00pm - 6:45pm	Seats (Total: 2) SPH 1303

STAT Statistics and Probability Spring 2012

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Natalia Tchetcherina MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0103
0102	Kimberly Fouche MWF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0105
0103	Karl Schmitt MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0306

0104	Stefan Sabo MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0305
0105	Samuel Punshon-Smith MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0304
0106	Judith Law MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0101
0107	Lior Hilsenrath MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0407
0201	Natalia Tchetcherina MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0103
0202	Lior Hilsenrath MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0305
0203	Karl Schmitt MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0421
0204	Stefan Sabo MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0409
0205	Samuel Punshon-Smith MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0425
0206	Judith Law MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0303

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C- or better, or MATH 141 or equivalent. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	John Millson TuTh 12:30pm - 1:45pm W 8:00am - 9:15am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0112	John Millson TuTh 12:30pm - 1:45pm W 8:00am - 9:15am	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0121	John Millson TuTh 12:30pm - 1:45pm W 9:30am - 10:45am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0122	John Millson TuTh 12:30pm - 1:45pm W 9:30am - 10:45am	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0131	John Millson TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0132	John Millson TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0133	John Millson TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 30) ARM 0126 MTH 0303	Discussion
0141	John Millson TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion

0142	John Millson TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0143	John Millson TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0306	Discussion
0201	Timothy Pilachowski MWF 9:00am - 9:50am	Seats (Total: 45) MTH B0421	

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Casey Cremins MWF 1:00pm - 1:50pm	Seats (Total: 30) EGR 1104	
0201	Joan Ren TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH 0307	

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Leonid Koralov MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0304	

0201	Dmitry Dolgopyat TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0304

STAT420 **Introduction to Statistics**

STAT420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: STAT410 or SURV410. Also offered as SURV420. Credit will be granted for only one of the following: STAT420 or SURV420.* Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods. Offered Spring only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 30) MTH B0421

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	David Shaw MWF 1:00pm - 1:50pm	Seats (Total: 40) CHM 0119

STAT470 **Actuarial Mathematics**

STAT470 Actuarial Mathematics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Calculus through MATH240 and MATH241. Recommended: STAT400.* Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	MTH B0421

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT601 **Probability Theory II**

STAT601 Probability Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 600.* Weak convergence of measures; characteristic functions; Central Limit Theorem and local limit theorem; stable laws; Kolmogorov consistency theorem (without proof); conditional expectations and martingales; optimal stopping theorem; convergence of martingales; Brownian motion; Markov processes and families; stochastic integral and Ito formula. Offered Spring only.

0101	Sandra Cerrai	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1313

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT701 **Mathematical Statistics II**

STAT701 Mathematical Statistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 700 or equivalent.* Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis. Offered Spring only.

0101	Abram Kagan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 1311

STAT730 **Time Series Analysis**

STAT730 Time Series Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisites: STAT 700 plus a graduate course in analysis, or permission of instructor. Recommended: STAT 701, STAT 650.* The methodology of probabilistic description and statistical analysis of (primarily stationary) random sequences and processes. Correlation functions, Gaussian processes, Hilbert-space methods including Wold decomposition and spectral representation, periodogram and estimation of spectral densities, parameter estimation and model identification for ARMA processes, linear filtering, Kalman-Bucy filtering, sampling theorems for continuous-time series, multivariate time series.

0101	Benjamin Kedem	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 0409

STAT741 **Linear Statistical Models II**

STAT741 Linear Statistical Models II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 740.* Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression. Offered Spring only.

0101	Paul Smith	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	MTH 0105

STAT750 **Multivariate Analysis**

STAT750 Multivariate Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700.* Multivariate normal, Wishart's and Hotelling's distributions. Tests of hypotheses, estimation. Generalized distance, discriminant analysis. Regression and correlation. Multivariate analysis of variance; distribution of test criteria. Principal components, canonical correlations and factor analysis.

0101	Joan Ren	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0307

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT798B **Selected Topics in Statistics; Bayesian Methods**

STAT798B Selected Topics in Statistics: Bayesian Methods; (3 credits) Grade Method: REG/AUD.

0101	Partha Lahiri	Seats (Total: 20)
	Tu 9:30am - 12:00pm	LEF 1218

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Spring 2012

SURV400 **Fundamentals of Survey Methodology**

SURV400 Fundamentals of Survey Methodology; (3 credits) Grade Method: REG. *Prerequisite: STAT100 or permission of department. Credit will be granted for only one of the following: SURV699M or SURV400. Formerly SURV699M.* Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV).

0101	Philip Brenner	Seats (Total: 20)
	Meets January 26, 2012 - May 10, 2012	
	Th 12:00pm - 3:00pm	LEF 1208

SV01	Philip Brenner **Meets January 26, 2012 - May 10, 2012** Th 12:00pm - 3:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 20) Location: TBA

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

0101	Leonid Koralov MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0304
0201	Dmitry Dolgopyat TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0304

SURV420 **Introduction to Statistics**

SURV420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SURV410 or STAT410. Also offered as STAT420. Credit will be granted for only one of the following: STAT420 or SURV420. Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods. Offered Spring only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 30) MTH B0421

SURV616 **Statistical Methods II**

SURV616 Statistical Methods II; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 615. Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing.

0101	James Wagner **Meets January 6, 2012 - April 20, 2012** F 12:30pm - 3:00pm	Seats (Total: 20) LEF 1208

SURV625 **Applied Sampling**

SURV625 Applied Sampling; (3 credits) Grade Method: REG/AUD.
Prerequisite: statistics course approved by the department. Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Lepkowski **Meets January 4, 2012 - April 18, 2012** W 1:00pm - 4:00pm	Seats (Total: 15) LEF 1208
SV01	James Lepkowski **Meets January 4, 2012 - April 18, 2012** W 1:00pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Frauke Kreuter **Meets January 10, 2012 - April 17, 2012** Tu 6:00pm - 8:40pm	Seats (Total: 8) LEF 1208
SV01	Frauke Kreuter **Meets January 10, 2012 - April 17, 2012** Tu 6:00pm - 8:40pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 7) Location: TBA

SURV640 **Survey Practicum I**

SURV640 *(PermReq)* **Survey Practicum I; (2 credits)** Grade Method: REG. *Prerequisite: SURV640 and SURV641 must be taken in consecutive semesters. Restrictedto degree seeking students in JPSM or permission of the instructor. For SURV majors only. Credit will be granted for only one of the following: SURV620 or SURV640. Formerly SURV620.* First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

0101	David Cantor **Meets January 26, 2012 - May 10, 2012** Th 2:45pm - 4:45pm	Seats (Total: 15) LEF 1218

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

SURV699 Special Topics in Survey Methodology: Readings in Survey Methodology; (1-4 credits) Grade Method: REG/AUD.

0101	Frederick Conrad Contact instructor or department for details.	Seats (Total: 10)
0201	Frauke Kreuter **Meets January 25, 2012 - April 19, 2012** Contact instructor or department for details.	Seats (Total: 10)

SURV699G **Special Topics in Survey Methodology; Envisioning the Survey Interview of the Future**

SURV699G Special Topics in Survey Methodology: Envisioning the Survey Interview of the Future; (1-4 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Frederick Conrad	Seats (Total: 5)
	Th 10:00am - 12:30pm	LEF 1218

SURV699I **Special Topics in Survey Methodology; Advanced Social Statistics**

SURV699I Special Topics in Survey Methodology: Advanced Social Statistics; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Michael Rendall	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 1101

SURV721 **Total Survey Error II**

SURV721 Total Survey Error II; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV720. Degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723. Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

0101	Frauke Kreuter	Seats (Total: 20)
	Meets January 5, 2012 - April 17, 2012	
	W 10:00am - 12:30pm	LEF 1208

SURV742 **Inference from Complex Surveys**

SURV742 Inference from Complex Surveys; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 440.* Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

0101	Robert Fay, Richard Valliant **Meets January 10, 2012 - April 17, 2012** Tu 3:00pm - 5:40pm	Seats (Total: 20) LEF 1208
SV01	Robert Fay, Richard Valliant **Meets January 10, 2012 - April 17, 2012** Tu 3:00pm - 5:40pm *Class will meet at the Bureau of Labor and Statistics, Conference Room 10 in Washington, DC.*	Seats (Total: 10) Location: TBA

SURV744 **Topics in Sampling**

SURV744 Topics in Sampling; (3 credits) Grade Method: REG/AUD. *Prerequisite: SURV 440.* Advanced course in survey sampling theory.

0101	Keith Rust, Richard Valliant **Meets January 5, 2012 - April 19, 2012** Th 3:00pm - 5:40pm	Seats (Total: 15) LEF 1208

SURV760 **Survey Management**

SURV760 Survey Management; (3 credits) Grade Method: REG/AUD.
Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described.

0101	Carla Maffeo, Steven Heeringa **Meets January 9, 2012 - April 17, 2012** M 1:30pm - 4:00pm *Course open to JPSM students only and students from other departments will need permission to register.*	Seats (Total: 20) LEF 1208
SV01	Carla Maffeo, Steven Heeringa **Meets January 9, 2012 - April 17, 2012** M 1:30pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV772 **Survey Design Seminar**

SURV772 Survey Design Seminar; (3 credits) Grade Method: REG/AUD. *Formerly: SURV770 and SURV771. For SURV majors only. Not open to students who have completed SURV770 and SURV771. Credit will be granted for only one of the following: (SURV770 and SURV771) or SURV772.* Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Stanley Presser W 4:10pm - 6:40pm	Seats (Total: 10) LEF 1218

SURV798Z **Advanced Topics in Survey Methodology; Bayesian Methods**

SURV798Z *(PermReq)* **Advanced Topics in Survey Methodology: Bayesian Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisite: STAT410 and STAT420 or equivalent. The purpose of the course is to provide a blend of theory, methods, and applications. The course will begin with a review of relevant concepts of classical statistical inference, which is needed to compare different paradigms. Following this, elements of the Bayesian inference and decision theory will be introduced in order to emphasize the advantages and challenges of the Bayesian methods. The course will cover a wide range of topics in Bayesian analysis, including objective priors, model selection, Bayesian computations, high-dimensional problems, Bayesian analysis with missing data and finite population sampling.

0101	Partha Lahiri Tu 9:30am - 12:00pm	Seats (Total: 20) LEF 1218

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Frederick Conrad, Partha Lahiri	Seats (Total: 10)
	Meets January 5, 2012 - April 17, 2012	
	W 10:00am - 12:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Spring 2012

TDPS201 **Introduction to Technical Production**

TDPS201 *(PermReq)* **Introduction to Technical Production; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to THET and DANC majors only at the freshman or sophomore level. Formerly: THET114 and DANC210. Credit will be granted for only one of the following: DANC210, THET114, or TDPS201. Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

0101	Erin Glasspatrick	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	PAC 1815	
	F 3:30pm - 5:30pm	PAC 1702	Lab

TDPS479 **Production Practicum**

TDPS479 *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: TDPS201. Formerly THET479. A specified practical aspect of mounting a theatre or dance production with hands-on, laboratory experience.

1001	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1002	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1003	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1004	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1005	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1006	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1007	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2001	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2002	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2004	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2005	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)

2006	Cary Gillett	Seats (Total: 15)	
	Contact instructor or department for details.		

THET Theatre Spring 2012

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman	Seats (Total: 180)	
	MW 2:00pm - 3:15pm	HJP 0226	
0201	Korey Rothman	Seats (Total: 180)	
	MW 3:30pm - 4:45pm	HJP 0226	

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THE273, THET373, or THET284. Prerequisite: Theatre Majors or permission of department. Recommended: THET220 or THET222. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Andrew Kaufman	Seats (Total: 20)	
	MW 3:30pm - 5:20pm	PAC 2733	Lab

THET210 **Movement for Actors**

THET210 *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114, THET116, THET222, THET223 and permission of department. Not open to students who have completed 60 credits. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Izumi Ashizawa TuTh 10:30am - 12:15pm	Seats (Total: 14) PAC 3736	Lab
0102	Nicholas Horan, Claudia Rosales MW 10:00am - 11:15am	Seats (Total: 14) PAC 2740	Lab

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credits completed. Credit will be granted for only one of the following: THET220 or THET222. Formerly THET220. Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Ashley Smith MW 1:00pm - 2:50pm	Seats (Total: 20) PAC 3736
0102	Caroline Clay MW 10:00am - 11:50am	Seats (Total: 20) PAC 3736

THET223 **Text and Context in Western Theatre**

THET223 Text and Context in Western Theatre; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credit hours completed. Formerly: THET113 and THET115. Credit will be granted for only one of the following: THET223 and THET113; or THET223 and THET115. Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0102	Michael Boynton TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1815

THET250 **American Musical Theatre and Popular Culture**

THET250 American Musical Theatre and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: THET250 or THET350. Formerly THET350. An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrels, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond.

0101	Jose Gregory TuTh 12:30pm - 1:45pm	Seats (Total: 20) PAC 1815	

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theater**
Contact department for information to register for this course.

THET291 **American Theatre 1890-Present**

THET291 American Theatre 1890-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

0101	Jessica Krenek, Matthew Shifflett MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 ASY 3215	Discussion
0102	Jessica Krenek, Matthew Shifflett MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 ASY 3215	Discussion
0103	Jessica Krenek, Matthew Shifflett MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 ASY 3203	Discussion

THET299D **Independent Study; The Art and Craft of Doing**

THET299D Independent Study: The Art and Craft of Doing; (3 credits) Grade Method: REG/P-F/AUD.

0101	Teresa Bayer TuTh 11:00am - 12:15pm	Seats (Total: 12) PAC 1809	 Lab

THET299L **Independent Study; Analyzing Performances**
Contact department for information to register for this course.

THET299Z **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, an audition, and permission of department. Corequisite: THET210. Sophomore standing. Not open to students who have completed THET221. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Ashley Smith MW 10:00am - 11:50am	Seats (Total: 12) PAC 3732	 Lab
0102	Anupama Yadav MW 10:00am - 11:50am	Seats (Total: 12) PAC 1809	 Lab

THET325 **Actor's Process I**

THET325 *(PermReq)* **Actor's Process I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Not open to students who have completed THET320. Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

0101	Robert Jansen TuTh 10:30am - 12:15pm	Seats (Total: 12) PAC 3730	 Lab
0201	David Demke MW 10:00am - 11:50am	Seats (Total: 12) PAC 3730	 Lab

THET369X **Special Topics in Study Abroad III; Fourth-Year French II**
Contact department for information to register for this course.

THET373 **Rendering for the Theatre I**

THET373 *(PermReq)* **Rendering for the Theatre I; (3 credits)** Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET116. Prerequisite: permission of department. A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.

0101	Helen Huang	Seats (Total: 10)
	MW 1:00pm - 2:50pm	PAC 2755

THET386 **Experiential Learning**
Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET399C **Independent Study; Suppressing Expression: Censorship and the History of the Western Theatre**

THET399C Independent Study: Suppressing Expression: Censorship and the History of the Western Theatre; (3 credits) Grade Method: REG/P-F/AUD.

0301	Aaron Tobiason	Seats (Total: 20)
	MW 12:00pm - 1:15pm	PAC 1815

THET399F **Independent Study; Modern British Theater**
Contact department for information to register for this course.

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399J **Independent Study; Alexander Technique**

THET399J *(PermReq)* **Independent Study: Alexander Technique; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Leslie Felbain	Seats (Total: 8)	
	W 10:00am - 12:00pm	PAC 2827	

THET399K **Independent Study; Killers and Stars: History, Context and Women in Theatre**

THET399K Independent Study: Killers and Stars: History, Context and Women in Theatre; (3 credits) Grade Method: REG/P-F/AUD.

0101	Erin Steele	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	PAC 1815	

THET399L **Independent Study; Contemporary British Drama**
Contact department for information to register for this course.

THET399M **Independent Study; Advanced Movement**

THET399M *(PermReq)* **Independent Study: Advanced Movement; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Audition and permission of the department.

0101	Izumi Ashizawa	Seats (Total: 10)	
	TuTh 9:00am - 10:15am	PAC 3736	Lab

THET399P **Independent Study; Playwriting**

THET399P *(PermReq)* **Independent Study: Playwriting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Interview and permission of the department.

0101	Walter Dallas	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 1815	

THET399T **Independent Study; Culture and Performance Practicum**

THET399T *(PermReq)* **Independent Study: Culture and Performance Practicum; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: By audition and permission of department.

0101	Robert Thompson	Seats (Total: 20)
	F 10:00am - 10:50am	PAC 1809

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET408D **Seminar: Theory and Performance Studies; Dramaturgy**

THET408D *(PermReq)* **Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)** Grade Method: REG/P-F/AUD.
Interview and permission required.

0101	Faedra Carpenter	Seats (Total: 10)
	Tu 2:00pm - 4:30pm	PAC 2804

THET420 **Language and the Actor**

THET420 *(PermReq)* **Language and the Actor; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition and permission of department. Explores the actor's relationship to language, particularly heightened poetic language, in order to: develop the ability to embody language and vocally and physically project the images; apply an intellectual understanding of the inherent structural, poetic, and rhetorical techniques of heightened language in combination with action theory; and access the inner states of character while expressing them through text.

0101	Leigh Smiley	Seats (Total: 12)
	TuTh 10:00am - 11:50am	PAC 2740

THET429 **Actor's Studio**
Contact department for information to register for this course.

THET452 **Musical Theatre Workshop II**

THET452 *(PermReq)* **Musical Theatre Workshop II; (3 credits)** Grade Method: REG.
Prerequisite: Audition and permission of department. Development of the ability to move, act and express through the media of lyric and music from the integrated musicals of the 1960s through the development of concert and rock/pop musicals.

0101	Scot Reese	Seats (Total: 16)	
	M 3:00pm - 6:00pm	PAC 2740	Lab

THET472 **Scene Painting**

THET472 *(PermReq)* **Scene Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET114 or permission of department. Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.

0101	Ann Chismar	Seats (Total: 10)
	F 10:00am - 1:50pm	PAC 1702

THET475 **History of Art, Architecture, and Decor for the Theatre**

THET475 *(PermReq)* **History of Art, Architecture, and Decor for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114, THET116, THET222, THET223, and permission of department. Also offered as THET670. Credit will be granted for only one of the following: THET475 or THET670. Study of Western art, architecture, and decor and their practical application to theatrical production.

0101	Mikhail Kachman	Seats (Total: 14)
	TuTh 9:30am - 10:45am	PAC 1815

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET114, THET116, THET273, and permission of department. Sophomore standing. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Joshua Madsen TuTh 9:30am - 10:45am	Seats (Total: 8) PAC 2727

THET489P **Special Topics in Theatre History from 1800 to Present; History of Shakespeare in Performance**

THET489P *(PermReq)* **Special Topics in Theatre History from 1800 to Present: History of Shakespeare in Performance; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as THET698P.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET497 **Non-Traditional Theatre**
Contact department for information to register for this course.

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Izumi Ashizawa Contact instructor or department for details.	Seats (Total: 5)
0601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 5)
0801	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)

1101	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
3201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET499G **Independent Study; Realism and Theater Naturalism**
Contact department for information to register for this course.

THET499K **Independent Study; Advanced Costume Construction**

THET499K *(PermReq)* **Independent Study: Advanced Costume Construction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Chiang TuTh 9:00am - 11:50am	Seats (Total: 6) PAC 3749

THET499Q **Independent Study; Theatrical Forms and Genres**
Contact department for information to register for this course.

THET499R **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET499Z **Independent Study; The London Stage**
Contact department for information to register for this course.

THET608D **Seminar: Theory and Performance Studies; Dramaturgy**

THET608D *(PermReq)* **Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)** Grade Method: REG.

0101	Faedra Carpenter Th 2:00pm - 4:30pm	Seats (Total: 10) PAC 2804

THET619C **Special Topics in Performance Studio; Civic Theatre**

THET619C *(PermReq)* **Special Topics in Performance Studio: Civic Theatre; (3 credits)** Grade Method: REG/AUD.

0101	Michael Rohd Contact instructor or department for details.	Seats (Total: 8)

THET623 **Period Movement and Verse Analysis**

THET623 Period Movement and Verse Analysis; (6 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Emphasizes movement skills related to specific theatrical styles (such as the movement of a Greek chorus in classical drama), and will include period movement, commedia dell arte, clown, and buffoon. The voice training will focus on developing singing technique, as well as accents, dialects, and dialect research.

0101	Ashley Smith, Leigh Smiley	Seats (Total: 8)	
	M 6:00pm - 9:00pm	PAC 3736	Lab
	F 9:00am - 12:00pm	PAC 3736	Lab

THET629A **Performance Lab; Alexander Technique**

THET629A Performance Lab: Alexander Technique; (1 credit) Grade Method: REG/AUD.

0101	Leslie Felbain	Seats (Total: 8)
	TuTh 9:30am - 10:20am	PAC 3732

THET649C **Advanced Design Studio in Costume; Advance Studies in Costuming**

THET649C Advanced Design Studio in Costume: Advance Studies in Costuming; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang	Seats (Total: 10)
	MW 10:00am - 12:00pm	PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt	Seats (Total: 10)
	F 9:00am - 12:00pm	PAC 2733

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669K **Independent Study; Advanced Costume Construction**

THET669K *(PermReq)* **Independent Study: Advanced Costume Construction; (3 credits)** Grade Method: REG/AUD.

0101	Susan Chiang TuTh 9:00am - 11:50am	Seats (Total: 6) PAC 3749

THET670 **Period Style for the Theatre: Fashion and Decor**

THET670 Period Style for the Theatre: Fashion and Decor; (3 credits) Grade Method: REG/AUD.
Recommended: THET600. Also offered as THET475. Credit will be granted for only one of the following: THET475 or THET670. A study of environmental decor, theatrical architecture, historic ornament and fashion through the ages and their practical application for theatrical production. For THET majors only.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 6) PAC 1815

THET678 **Theory of Visual Design For the Performing Arts**

THET678 Theory of Visual Design For the Performing Arts; (3 credits) Grade Method: REG/AUD.

1001	Aaron Posner MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 2733
1101	Mikhail Kachman MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 2739
1301	Brian MacDevitt MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 3731

THET685 **History of Theatrical Theory Before Modernism**

THET685 History of Theatrical Theory Before Modernism; (3 credits) Grade Method: REG.
Recommended: THET 600. Theories of drama (written script) and theatre (performance) from fifth-century B.C. Greece through nineteenth-century romanticism.

0101	Kristen Messer W 5:00pm - 7:30pm	Seats (Total: 10) PAC 2804

THET698P **Seminar: Theatre History; History of Shakespeare in Performance**

THET698P Seminar: Theatre History: History of Shakespeare in Performance; (3 credits) Grade Method: REG/AUD.
Also offered as THET489P.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET712 **Historical Research Methods and Historiography in Theatre**

THET712 Historical Research Methods and Historiography in Theatre; (3 credits) Grade Method: REG/AUD.
Prerequisite: THET 700. Formerly PCOM712. A survey of methods commonly used in writing theatre history and their application to a suitable problem. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substantial claims, organizing and writing research for disciplinary outlets.

0101	Franklin Hildy Tu 2:00pm - 4:30pm	Seats (Total: 10) PAC 1924

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UMEI Maryland English Institute Spring 2012

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 English as a Foreign Language: Beginning; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Charles Duquette, Glenn Knapp **Meets January 12, 2012 - May 1, 2012** MTuWThF 9:00am - 11:50am MThF 1:00pm - 2:50pm TuW 1:00pm - 2:50pm	Seats (Total: 15) SQH 1111 EDU 1315 ARM 0102
0201	Nina Liakos, Deborah Turner **Meets January 12, 2012 - May 1, 2012** MTuWThF 9:00am - 11:50am MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 10) JMZ 1226 ARM 0121 MTH B0431

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.
Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Amanda Wilder, Raymond Smith	Seats (Total: 15)
	Meets January 12, 2012 - May 1, 2012	
	MTuWThF 9:00am - 11:50am	WDS 1131
	MF 1:00pm - 2:50pm	EDU 2102
	TuWTh 1:00pm - 2:50pm	ARM 0118

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 English as a Foreign Language: Intermediate II; (12 credits) Grade Method: S-F.
Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Daniela Wagner-Loera, Deborah Turner	Seats (Total: 16)
	Meets January 12, 2012 - May 1, 2012	
	MTuWThF 9:00am - 11:50am	ARM 0120
	MWF 1:00pm - 2:50pm	EDU 3233
	TuTh 1:00pm - 2:50pm	ARM 0120

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	DeAnna Coon, Eric Walker	Seats (Total: 18)
	Meets January 12, 2012 - May 1, 2012	
	MTuWThF 9:00am - 11:50am	COL 3109
	MTuWThF 1:00pm - 2:50pm	COL 3109
0201	Marilena Draganescu, Eric Walker	Seats (Total: 10)
	Meets January 12, 2012 - May 1, 2012	
	MWF 9:00am - 11:50am	JMZ 1123
	TuTh 9:00am - 11:50am	JMZ 3122
	MTuWThF 1:00pm - 2:50pm	JMZ 3122
0301	Annelies Galletta, Diego Hernandez	Seats (Total: 17)
	Meets January 12, 2012 - May 1, 2012	
	MTuWThF 9:00am - 11:50am	COL 3110
	MTuWThF 1:00pm - 2:50pm	COL 3110

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Minna Nilanont	Seats (Total: 20)
	Meets January 25, 2012 - May 10, 2012	
	MTuWThF 10:00am - 11:50am	HBK 1112

UMEI006 **English Pronunciation**

UMEI006 English Pronunciation; (2 credits) Grade Method: S-F.
Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould MW 10:00am - 11:30am	Seats (Total: 20) HBK 0108

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.
Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould MW 1:00pm - 2:50pm	Seats (Total: 15) ASY 3217
0201	Diego Hernandez W 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 15) PLS 1164 KEY 0120

UNIV University Courses Spring 2012

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F.
Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library.

0101	Elisabeth Jacobs, Erin Rooney-Eckel Contact instructor or department for details.	Seats (Total: 50)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0201	Brian Markowitz, Troy Lewis Tu 2:00pm - 3:50pm *Restricted to First Semester BSOS Students.*	Seats (Total: 25) BPS 1234
0801	Elizabeth Johnston **Meets January 25, 2012 - April 16, 2012** M 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1117
0802	Amelia Hogan **Meets January 25, 2012 - April 16, 2012** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) SYM 0215
0803	Julie Sass **Meets January 25, 2012 - April 16, 2012** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 0123
0804	Hilary Wilson **Meets January 25, 2012 - April 6, 2012** W 4:00pm - 5:50pm *Restricted to returning Destination London students.*	Seats (Total: 20) HZF 1101
0805	Jeremy Gombin-Sperling **Meets January 25, 2012 - April 6, 2012** Tu 4:00pm - 5:50pm *Restricted to Returning Destination London Students.*	Seats (Total: 20) HFZ 1101

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Tanesha Leathers W 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) KEY 0107	
0102	Johann Ducharme, Amanda Bachert Th 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) WDS 0104	

UNIV108 **Markets and Society Colloquium**

UNIV108 Markets and Society Colloquium; (1 credit) Grade Method: REG.
Restricted to students in the Markets and Society Program.

0162	Vanessa Freeman M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 12) MMH 1400 SYM 0209	Discussion
0164	Vanessa Freeman M 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 12) MMH 1400 EDU 3236	Discussion
0165	Vanessa Freeman M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 13) MMH 1400 HBK 1108	Discussion
0265	Vanessa Freeman M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 15) MMH 1400 PLS 1172	Discussion
0268	Vanessa Freeman M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 15) MMH 1400 PLS 1184	Discussion

0269	Vanessa Freeman M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 14) MMH 1400 LEF 1221	 Discussion

UNIV269 **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures; Cultural Realities of Spain**
Contact department for information to register for this course.

UNIV289A **Global Communities Colloquium IV**

UNIV289A *(PermReq)* **Global Communities Colloquium IV; (1 credit)** Grade Method: REG.

0101	Natalie Vinski M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128
0201	Kevin McClure M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128
0301	Kevin McClure M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.* Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.

0101	James Riker Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 40) SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Caitlin Haugen Tu 3:00pm - 4:00pm	Seats (Total: 25) SCC 1106
0201	Caitlin Haugen M 5:00pm - 6:00pm	Seats (Total: 25) SCC 1102

UNIV349 **Federal Semester Experiential Learning**

UNIV349 *(PermReq)* **Federal Semester Experiential Learning; (3-6 credits)** Grade Method: S-F.

0101	Joan Burton Tu 6:10pm - 7:00pm	Seats (Total: 40) SKN 0104
0201	Joan Burton W 6:10pm - 7:00pm	Seats (Total: 38) SKN 0104
0301	Joan Burton Th 9:00am - 9:50am	Seats (Total: 40) MMH 0108

UNIV378 **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Internship Experiences/Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD. Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

0101	Caitlin Haugen	Seats (Total: 40)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Samuel Cook	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389G **Special Topics in Undergraduate Studies; Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance**

UNIV389G Special Topics in Undergraduate Studies: Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Riker	Seats (Total: 25)
	Th 3:30pm - 6:15pm	SCC 1102

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

UNIV389J Special Topics in Undergraduate Studies: Federal Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joan Burton	Seats (Total: 25)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: UNIV325 and UNIV326, for advanced students in the Beyond the Classroom (BTC) Living and Learning Program. This multi-disciplinary seminar enables students to develop their leadership skills by working collaboratively with their peers on joint projects to enhance and to deepen civic engagement and constructive social change on key civic issues on campus and in the broader community on local, national and global issues. Students will carry out collaborative community-based research that addresses an important civic issue and advances civic knowledge for solving that issue. Students will write a research paper (BTC monograph) and contribute to a joint professional report. The seminar will culminate in a BTC civic education or showcase event (e.g., public forum, conference, hearing, video presentation, etc.) where students will share their findings with the broader campus and members of the relevant community.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389S **Special Topics in Undergraduate Studies; Social Media for Social Change**

UNIV389S Special Topics in Undergraduate Studies: Social Media for Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Riker, Caitlin Haugen	Seats (Total: 26)
	W 3:30pm - 6:15pm	SCC 1102

UNIV399P **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

UNIV399P Experiential Learning in Undergraduate Studies: People Power -- Activism for Social Change; (1 credit) Grade Method: REG/P-F/AUD.

Click here for more course information.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV798A **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

UNIV798A Special Topics Colloquium on University Teaching and Learning: Introduction to University Teaching; (2 credits) Grade Method: REG.

0101	Spencer Benson W 4:00pm - 6:00pm	Seats (Total: 18) Location: TBA	

UNIV798B **Special Topics Colloquium on University Teaching and Learning; Student Learning**

UNIV798B Special Topics Colloquium on University Teaching and Learning: Student Learning; (1 credit) Grade Method: REG.

0101	Spencer Benson Contact instructor or department for details.	Seats (Total: 5)

URSP Urban Studies and Planning Spring 2012

URSP250 **The Sustainable City: Exploring Opportunities and Challanges**

URSP250 The Sustainable City: Exploring Opportunities and Challanges; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.

An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.

One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 21) TWS 1100 ARC 1125	 Discussion
0102	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 1100 ARC 1123	 Discussion
0103	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 1100 EDU 3233	 Discussion

URSP289A **Livable Communities: Planning for an Aging Society**

URSP289A Livable Communities: Planning for an Aging Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0102	Alexander Chen Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 24) EDU 0114 HBK 0108	 Discussion

URSP289Q **Quality of Urban Life**

URSP289Q Quality of Urban Life; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. ***One of the "I" Courses for Spring 2012: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	William Hanna M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 16) ARC 1101 ASY 3221	 Discussion
0102	William Hanna M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 16) ARC 1101 SQH 1103	 Discussion
0103	William Hanna M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 16) ARC 1101 EDU 1210B	 Discussion

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG.
Formerly URSP602. Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Alexander Chen	Seats (Total: 25)
	M 4:00pm - 6:30pm	ASY 3203

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601. Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Chengri Ding	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 0111

URSP603 **Land Use Planning: Concepts and Techniques**

URSP603 Land Use Planning: Concepts and Techniques; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP603, URBS680 or URBS603. Formerly URBS603. Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information. For URSP majors only.

0101	Celia Craze	Seats (Total: 20)
	Tu 4:00pm - 6:30pm	ARC 1125

URSP620 **Introduction to Housing Planning and Policy**

URSP620 Introduction to Housing Planning and Policy; (3 credits) Grade Method: REG/AUD.
Introduction to housing planning and policy issues in the United States. Historic review of legislative efforts to provide housing services within the context of a market economy and the needs of special population groups, including minorities, the homeless, and the poor.

0101	Casey Dawkins	Seats (Total: 20)
	M 4:00pm - 6:30pm	SQH 1123

URSP631 **Transportation and Land Use**

URSP631 *(PermReq)* **Transportation and Land Use; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 631 or URSP 688L. Formerly URSP688L. The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

0101	Hiroyuki Iseki	Seats (Total: 20)
	W 7:00pm - 9:30pm	ARC 1125

URSP661 **City and Regional Economic Development Planning**

URSP661 City and Regional Economic Development Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606 or URSP 660. Credit will be granted for only one of the following: URSP 661, URBS 440 or URBS 661. Formerly URBS661. Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Christopher Dempwolf	Seats (Total: 20)
	Th 4:00pm - 6:45pm	ARC 1105

URSP662 **Urban and Regional Planning in Developing Countries**

URSP662 Urban and Regional Planning in Developing Countries; (3 credits) Grade Method: REG/AUD.
Theoretical exploration of urban and regional change drawing upon international planning and social science literature, and case-study analysis of multiple challenges and opportunities facing planners and policy-makers in the urban-centered areas of less-developed countries.

0101	William Hanna	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1103

URSP664 **Real Estate Development for Planners**

URSP664 Real Estate Development for Planners; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606. Credit will be granted for only one of the following: URSP 664 or URSP 688F. Formerly URSP688F. Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets.

0101	David Falk	Seats (Total: 23)
	W 4:00pm - 6:30pm	SQH 1123

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.
Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

0101	James Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP805 **Seminar in Research Design**

URSP805 Seminar in Research Design; (3 credits) Grade Method: REG. *Prerequisite: URSP 804 and URSP 810.* Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

0101	Gerrit Knaap	Seats (Total: 15)
	W 1:00pm - 3:30pm	JMZ 3118

URSP810 **Contemporary Metropolitan Issues**

URSP810 Contemporary Metropolitan Issues; (3 credits) Grade Method: REG/AUD.
For Ph.D majors only. Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Marie Howland M 1:00pm - 3:30pm	Seats (Total: 10) Location: TBA

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Spring 2012

USLT202 **US Latina/o Studies II: A Contemporary Overview 1960's to present**

USLT202 US Latina/o Studies II: A Contemporary Overview 1960's to present; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

0101	Ana Rodriguez TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 1112

USLT369A **Special Topics in Study Abroad III; Thinking in Andalusian: The Antonio Machado Family of Seville**

Contact department for information to register for this course.

USLT488B **US Latina/o Senior Seminar**

USLT488B US Latina/o Senior Seminar; (3 credits) Grade Method: REG/P-F/AUD.

0101	Perla Guerrero	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PLS 1172

USLT498B **US Latina/o Studies: Special Topics; Latinas/os and U.S. Popular Culture**

USLT498B US Latina/o Studies: Special Topics: Latinas/os and U.S. Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498M.

0101	Robert Chester	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0103

USLT498F **US Latina/o Studies: Special Topics; Migration and Sexuality**

USLT498F US Latina/o Studies: Special Topics: Migration and Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328A.

0101	Maria Vargas	Seats (Total: 25)
	MWF 11:00am - 11:50am	HZF 0101

USLT498I **US Latina/o Studies: Special Topics; Citizens, Refugees, and Immigrants**

USLT498I US Latina/o Studies: Special Topics: Citizens, Refugees, and Immigrants; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498N.

0101	Perla Guerrero	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	KEB 1200

USLT498W **US Latina/o Studies: Special Topics; Latina Women and Families**

USLT498W US Latina/o Studies: Special Topics: Latina Women and Families; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Perez	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TYD 1132

VMSC Veterinary Medical Sciences Spring 2012

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 10)
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1 credit) Grade Method: REG.

0101	Daniel Nelson	Seats (Total: 20)
	Th 11:00am - 12:00pm	Location: TBA
	Contact instructor or department for details.	

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC720 **Viral Pathogenesis**

VMSC720 Viral Pathogenesis; (2 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. This course will teach graduate students about mechanisms of infections by animal and human viral pathogens, including virus-cell interactions, host responses, and consequences of virus infection. Particular attention will be focused on the molecular mechanisms of the interactions between virus and host.

0101	Yanjin Zhang	Seats (Total: 20)
	F 10:00am - 12:00pm	PLS 1164

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Spring 2012

WMST200 **Introduction to Women's Studies: Women and Society**

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.
WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Mary Bazemore	Seats (Total: 25)
	TuTh 9:30am - 10:45am	WDS 0104

0201	Mary Bazemore TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0106	
0301	Jeannette Soon-Ludes TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 0104	
0401	Jeannette Soon-Ludes TuTh 2:00pm - 3:15pm	Seats (Total: 25) ARM 0101	

WMST211 **Women in America Since 1880**

WMST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST211. Credit will be granted for only one of the following: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 ASY 3221	Discussion
0102	Robyn Muncy MW 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) SHM 2102 ASY 3217	Discussion
0103	Robyn Muncy MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 ASY 3217	Discussion
0104	Robyn Muncy MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 SKN 1112	Discussion
0105	Robyn Muncy MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 SYM 0215	Discussion

0106	Robyn Muncy MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) SHM 2102 ASY 3217	Discussion
0107	Robyn Muncy MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TLF 1101	Discussion
0108	Robyn Muncy MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 SYM 0209	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Katie King Tu 2:00pm - 3:40pm F 10:00am - 10:50am	Seats (Total: 10) SQH 1120 PLS 1168	Discussion
0102	Katie King Tu 2:00pm - 3:40pm F 10:00am - 10:50am	Seats (Total: 10) SQH 1120 PLS 1172	Discussion
0103	Katie King Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 10) SQH 1120 CHE 2145	Discussion
0104	Katie King Tu 2:00pm - 3:40pm F 11:00am - 11:50am	Seats (Total: 10) SQH 1120 PLS 1172	Discussion
0105	Katie King Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 10) SQH 1120 CHM 1224	Discussion

0106	Katie King Tu 2:00pm - 3:40pm F 12:00pm - 12:50pm	Seats (Total: 10) SQH 1120 PLS 1172	Discussion
0107	Katie King Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 10) SQH 1120 TYD 1114	Discussion
0108	Katie King Tu 2:00pm - 3:40pm F 1:00pm - 1:50pm	Seats (Total: 10) SQH 1120 WDS 1131	Discussion
0201	Renina Jarmon TuTh 9:30am - 10:45am	Seats (Total: 24) WDS 1130	
0301	Renina Jarmon TuTh 12:30pm - 1:45pm	Seats (Total: 24) WDS 1130	
0401	Katie White TuTh 11:00am - 12:15pm	Seats (Total: 24) CSI 3118	
0501	Katie White TuTh 2:00pm - 3:15pm	Seats (Total: 24) SYM 0215	
0601	Robyn Epstein TuTh 9:30am - 10:45am	Seats (Total: 24) ARC 1101	
0701	Catherine Schuler TuTh 12:30pm - 1:45pm	Seats (Total: 24) CHE 2145	
0801	Lara Torsky MWF 10:00am - 10:50am	Seats (Total: 25) WDS 1130	
0901	yh Patt MWF 11:00am - 11:50am	Seats (Total: 25) HBK 0302J	
1001	Bettina Judd MWF 12:00pm - 12:50pm	Seats (Total: 25) WDS 1114	

WMST255 Introduction to Literature by Women

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250. Images of women in literature by and about women.

0101	Liora Moriel MWF 10:00am - 10:50am	Seats (Total: 30) SQH 1105
0201	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0126
0301	Sarah Sillin TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0234

WMST265 **Constructions of Manhood and Womanhood in the Black Community**

WMST265 Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HONR 219X or WMST 265. Formerly HONR219X. Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives. Also offered as AASP298B.

0101	Sharon Harley Tu 2:00pm - 4:30pm	Seats (Total: 35) LEF 1201

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**
Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (in Indian Society)**
Contact department for information to register for this course.

WMST269R **Special Topics in Study Abroad II; Making Gender, Sexuality and Race**
Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amanda Dykema TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1112	
0201	Chinenye Okparanta MW 3:30pm - 4:45pm	Seats (Total: 35) KEY 0125	

WMST281 **Women in German Literature and Society**

WMST281 Women in German Literature and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as GERM281. Credit will be granted for only one of the following: WMST281 or GERM281. A study of changing literary images and social roles of women from the beginning of the 19th century to the present.

0101	Elke Frederiksen TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 3205	

WMST298G **Rebellious Women**

WMST298G Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	 Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2120	 Discussion

0103	Gay Gullickson TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	 Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1120	 Discussion

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Michelle Sandhoff TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309	
0201	Ann Forsythe TuTh 12:30pm - 1:45pm	Seats (Total: 60) KEY 1117	
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309	
0401	Perry Threlfall MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213	
0501	Ann Forsythe TuTh 3:30pm - 4:45pm	Seats (Total: 47) ASY 3207	
0601	Nihal Celik MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213	

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: PSYC336 or WMST336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to WMST or PSYC undergraduate students only.

0101	Nazish Salahuddin	Seats (Total: 150)
	TuTh 4:00pm - 5:15pm	KEY 0106

WMST348P **Literary Works by Women; Women on the Plantation**

WMST348P Literary Works by Women: Women on the Plantation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0234

WMST360 **Caribbean Women**

WMST360 Caribbean Women; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of the lives and experiences of women across the Caribbean region, through an examination of their roles in individual, national, social and cultural formations. Special emphasis on contemporary women's issues and organizations. Also offered as AASP498D.

0101	Augusta Bolles	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SYM 0215

WMST369B **Special Topics in Study Abroad III; Spanish and Basque Gender Studies**
Contact department for information to register for this course.

WMST369L **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**
Contact department for information to register for this course.

WMST370 **Black Feminist Thought**

WMST370 Black Feminist Thought; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: One course in AASP or WMST.* Examines the ideas, words and actions of Black women writers, speakers, artists, and activists in the United States.

0101	Michelle Rowley	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	TYD 1108

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.*

0101	Augusta Bolles	Seats (Total: 15)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: one course in WMST or a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Tara Rodgers	Seats (Total: 30)
	TuTh 9:30am - 10:45am	HBK 0109

WMST408A **Literature by Women Before 1800; Medieval Women Writers**

WMST408A Literature by Women Before 1800: Medieval Women Writers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Repeatable to 9 credits if content differs. Also offered a WMST408A. Credit will be granted for only one of the following: ENGL408A or WMST408A. Selected writings by women in the medieval and early modern era.

0101	Theresa Coletti	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0205

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	KNI 1208

WMST469G **Study Abroad Special Topics IV; Gender Studies: A Global Perspective**
Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**
Contact department for information to register for this course.

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: HLTH471 or WMST471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Allison Bayley	Seats (Total: 200)
	MWF 9:00am - 9:50am	SPH 1312

WMST488T **Senior Seminar; Gendering the Avant-Garde: Art, Theatre, and Performance**

WMST488T *(PermReq)* **Senior Seminar: Gendering the Avant-Garde: Art, Theatre, and Performance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Catherine Schuler	Seats (Total: 15)
	Th 3:30pm - 6:30pm	WDS 1130

WMST498B **Advanced Special Topics in Women's Studies; Feminist Perspectives on Women in Art**

WMST498B Advanced Special Topics in Women's Studies: Feminist Perspectives on Women in Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Renee Ater	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3215

WMST498F **Advanced Special Topics in Women's Studies; Gender, Sexuality, and the Body in Modern Yiddish Literature**

WMST498F *(PermReq)* **Advanced Special Topics in Women's Studies: Gender, Sexuality, and the Body in Modern Yiddish Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST409M. Gender has played a significant role in Yiddish literary power dynamics. Focus is placed on the representations of gender, sexuality, and the body in diverse works of modern Yiddish literature (in English translation) created by men and women. An optional one-credit reading module (1 hour per week) is available for students who wish to read the works in the original language.

0101	Agnieszka Legutko	Seats (Total: 20)
	M 3:30pm - 6:00pm	TYD 1108

WMST498G **Advanced Special Topics in Women's Studies; Women and Gender in Israel**

WMST498G Advanced Special Topics in Women's Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as ISRL449W.

0101	Pnina Peri	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CHM 1228

WMST498I **Advanced Special Topics in Women's Studies: Asian American Women and Gender**

WMST498I Advanced Special Topics in Women's Studies: Asian American Women and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Shuji Otsuka	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	ASY 3219

WMST498L **Advanced Special Topics in Women's Studies; Women in Israel**
Contact department for information to register for this course.

WMST498N **Advanced Special Topics in Women's Studies; Latina Women and Families**

WMST498N Advanced Special Topics in Women's Studies: Latina Women and Families; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Perez	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TYD 1132

WMST498W **Advanced Special Topics in Women's Studies; Sex, Gender and Jewish Identity**

WMST498W Advanced Special Topics in Women's Studies: Sex, Gender and Jewish Identity; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419W.

0101	Maxine Grossman	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	HZF 0142

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST602 **Approaches to Women's Studies II**

WMST602 *(PermReq)* **Approaches to Women's Studies II; (3 credits)** Grade Method: REG.
Prerequisite: WMST 400 or equivalent. Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

0101	Jeffrey McCune Jr.	Seats (Total: 12)
	Th 4:00pm - 6:40pm	WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.

0101	Katie King	Seats (Total: 10)
	TBA	WDS 1131

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST621 **Feminist Theories and Women's Movements: Genealogies**

WMST621 *(PermReq)* **Feminist Theories and Women's Movements: Genealogies; (3 credits)** Grade Method: REG/AUD.
Prerequisite: WMST 400 or permission of department. Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

0101	Augusta Bolles	Seats (Total: 12)
	Tu 4:00pm - 6:30pm	WDS 2101R

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F. For WMST students only.

0101	Michelle Rowley	Seats (Total: 10)
	Contact instructor or department for details.	

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 3)
0301	Bonnie Dill Contact instructor or department for details.	Seats (Total: 2)
0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 3)
0501	Katie King Contact instructor or department for details.	Seats (Total: 2)
0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 1)
0701	Claire Moses Contact instructor or department for details.	Seats (Total: 3)
0801	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 2)
0901	Michelle Rowley Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.